

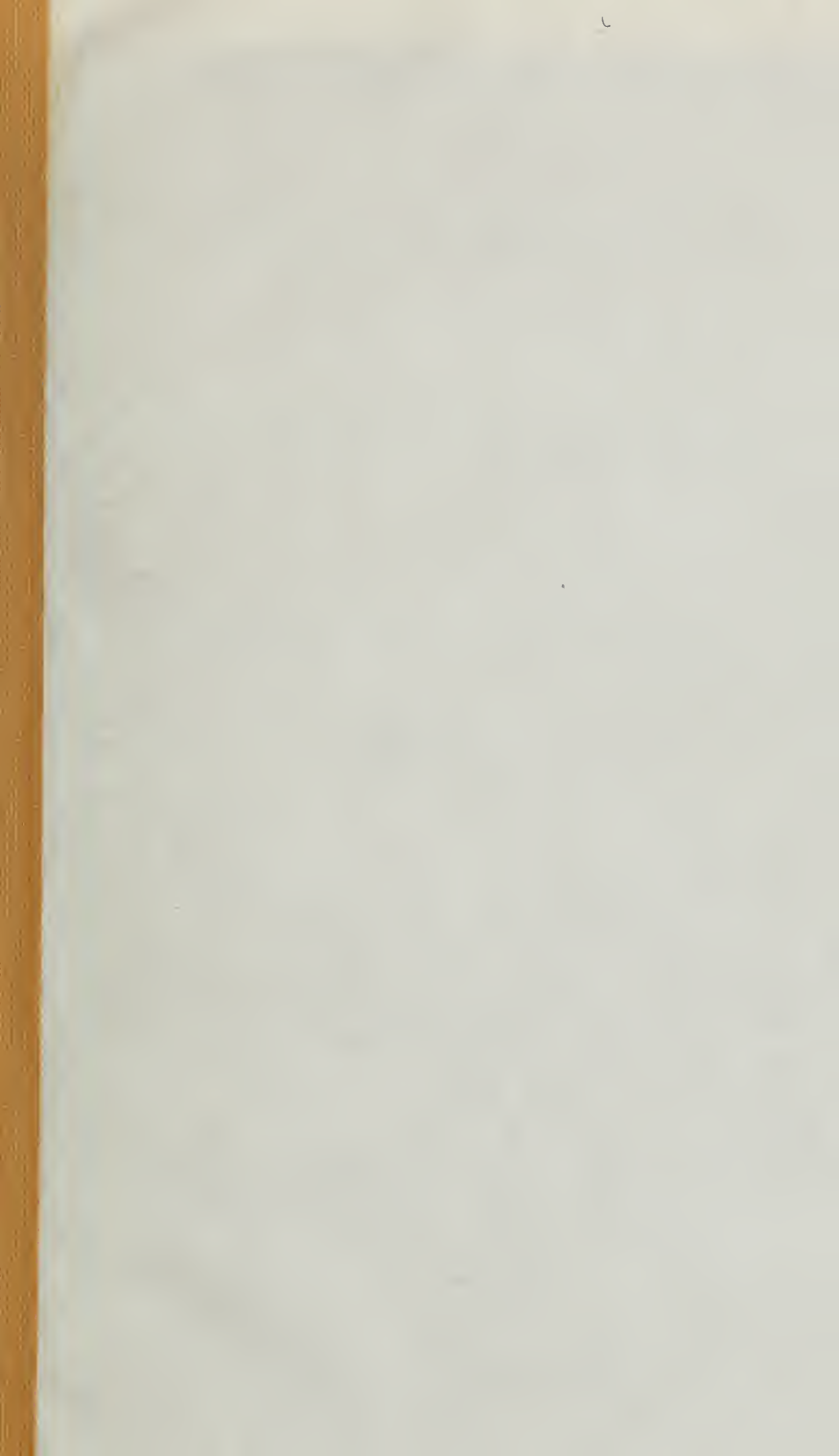
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1881/82-

1882/83





CIRCULAR OF INFORMATION

OF THE

UNIVERSITY OF DENVER

AND THE

COLORADO SEMINARY,

1883-'84,

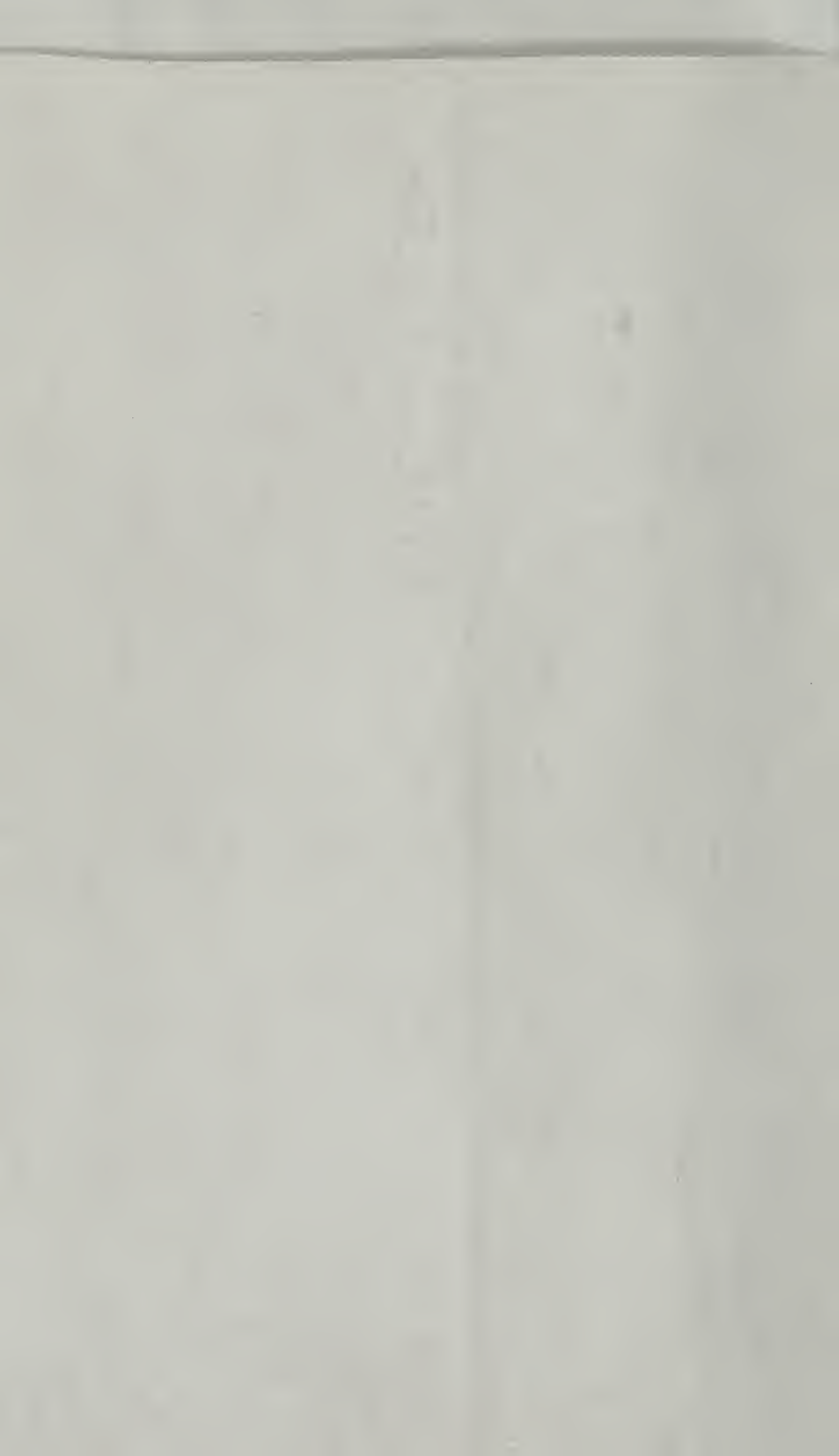
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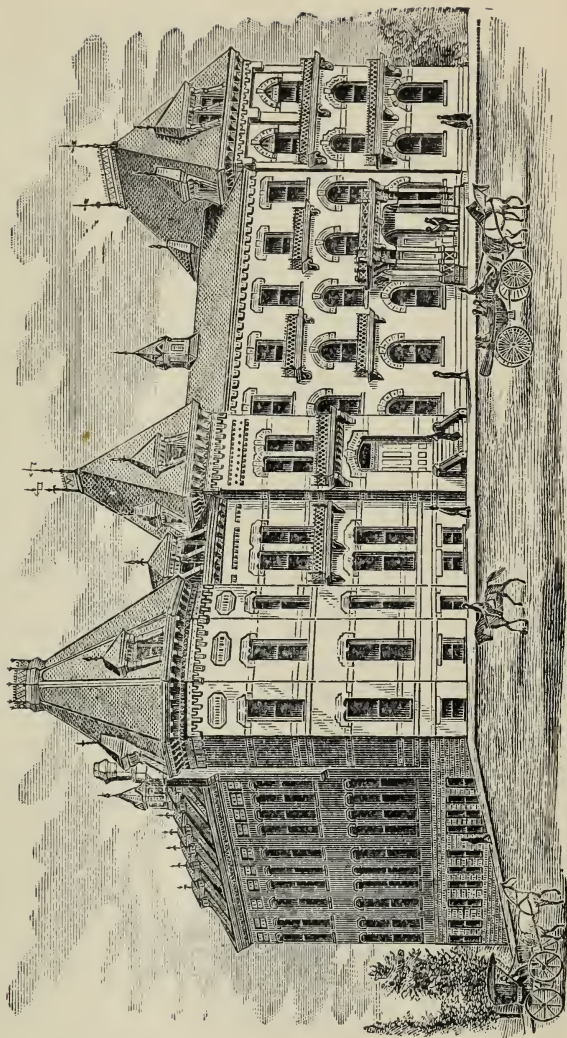
GENERAL CATALOGUE

FOR


1882-'83.

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Methodist Episcopal Church. Its management is thoroughly
Christian, but in nowise sectarian.*





University of Denver and Colorado Seminary—Southeast View.



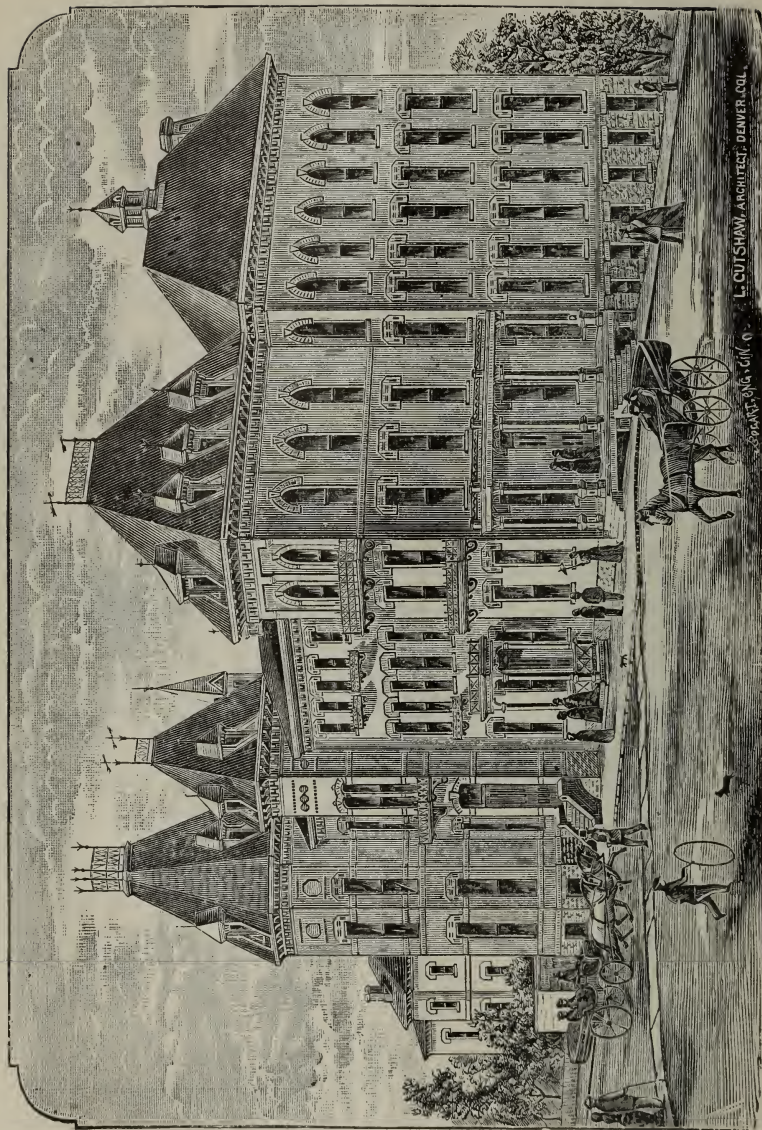
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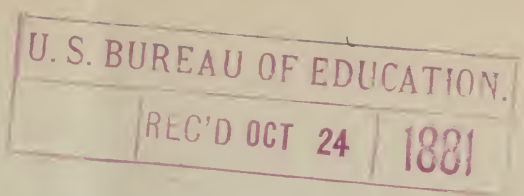
CALENDAR

OF THE

UNIVERSITY OF DENVER.

1881-1882.





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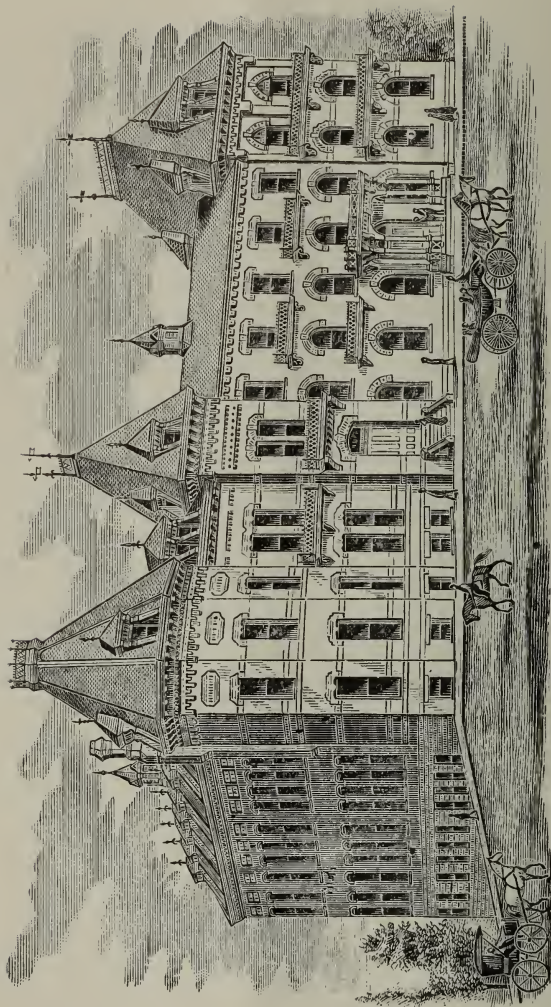
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1841/82-1883/83

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✓ F. J. BANCROFT, M. D., *Clinical Surgery—Fractures and Dislocations.*
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✓ R. G. BUCKINGHAM, M. D., *Dean College of Medicine.*
REV. EARL CRANSTON, A. M., *Lecturer on Christian Evidences.*
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IDA DESTIEGUER, *French, Italian, Fine Arts.*
HON. S. H. ELBERT, A. M., LL. D., *Lecturer on Commercial Ethics.*
FRANCES A. FISH, A. M., *Lady Principal—Mathematics.*
HERBERT A. HOWE, A. M., *Mathematics and Astronomy.*
HON. BELA M. HUGHES, A. M., *Lecturer International and Constitutional Law.*
✓ DRYDEN JOHNSON, M. D., *Demonstrator of Anatomy.*
✓ J. H. KIMBALL, M. D., *Diseases of the Mind and Nervous System.*
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✓ J. J. MACDONALD, M. D., *Physiology.*
DAVID H. MOORE, A. M., *Philosophy and Belles-Lettres.*
✓ C. M. PARKER, M. D., *Clinical Medicine—Fever and General Diseases.*
SIDNEY H. SHORT, B. S., *Physics and Chemistry.*
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OVANDO B. SUPER, A. M., *Languages.*
✓ WILLIAM H. WARN, M. D., *Gynecology.*
C. GILBERT WHEELER, A. M., Ph. D., *Geology, Mineralogy, As-saying.*
✓ W. R. WHITEHEAD, M. D., *Anatomy and Diseases Genito-Urinary Organs.*
✓ W. H. WILLIAMS, M. D., *Diseases of Women and Children.*
✓ W. E. WILSON, M. D., *Materia Medica and Therapeutics.*
EMIL ZIETZ (Das Leipziger Conservatorium), *Violin.*



COLLEGE OF LETTERS AND SCIENCE.

FACULTY.

DAVID H. MOORE, A. M., D. D., President, *Philosophy and Belles-Lettres.*

SIDNEY H. SHORT, B. S., Vice President, *Physics and Chemistry.*

C. GILBERT WHEELER, Ph. D., *Geology, Mineralogy, Assaying.*

FRANCES A. FISH, A. M., Lady Principal, *Mathematics.*

HERBERT A. HOWE, A. M., *Mathematics and Astronomy.*

OVANDO B. SUPER, A. M., Secretary Faculty, *Ancient Languages.*

IDA DeSTEIGUER, *French and Italian.*

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GENERAL BELA M. HUGHES, *Lecturer on International and Constitutional Law.*

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COURSES OF INSTRUCTION.

FOR THE DEGREE OF BACHELOR OF ARTS.

<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
FRESHMAN.		
Physiology and Zoology.	Trigonometry and Surveying.	Trigonometry and Surveying.
Livy.	Odyssey and Greek Composition.	Horace—Odes.
Boise and Freeman's Greek Selections.	Chemistry.	Chemistry.
SOPHOMORE.		
Analytical Geometry.	Mechanics.	Mechanics.
Horace—Satires and Epistles.	Tacitus — Germania and Agricola.	Tusculan Disputations.
Terence.	Juvenal.	
Lysias.	Plato's Apology.	
Edipus Rex.	Alcestis.	De Corona.
JUNIOR.		
French.	French.	Anglo-Saxon.
Astronomy.	Psychology.	Psychology.
Geology.	Geology and Mineralogy—Laboratory.	Geology and Mineralogy—Laboratory.
SENIOR.		
German.	German.	German.
Moral Philosophy.	Logic.	Logic.
Christian Evidences.		
Political Economy.	Political Economy.	English Literature.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

	<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
FRESHMAN.	Analytical Geometry. Physics. Chemistry.	Analytical Geometry and Calculus. Physical Laboratory. Chemical Laboratory.	Analytical Geometry and Calculus. Physical Laboratory. Chemical Laboratory.
SOPHOMORE.	Integrals. Physical or Chemical Laboratory. German Grammar.	Mechanics. Physical or Chemical Laboratory. German Reader.	Mechanics. Physical or Chemical Laboratory. German Reader.
JUNIOR.	Astronomy. Geology. French Grammar.	Mathematical Astron- omy. Geology and Mineral- ogy. French Reader.	Anglo-Saxon Gram- mar and Reader. Geology, Mineralogy and Laboratory. English Literature.
SENIOR.	Natural Science Re- view. Moral Philosophy. Christian Evidences. Political Economy.	Psychology. Logic. Political Economy.	Psychology. Logic. Thesis.

FOR THE DEGREE OF MINING ENGINEER

<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
FRESHMAN.		
Physics—Lectures on Heat, Electricity & Physical Manipulation.	Physics — Laboratory Work. Chemistry — Laboratory Work.	Physics — Laboratory. Chemistry — Laboratory.
Chemistry—Lectures on Chemical Manipulation.	German or Spanish. Drawing—Use of instruments, Lettering, Mechanical Drawing, Projections, Intersections and Developments.	German or Spanish. Surveying and Field Practice, Drawing and Platting.
French and German —Advanced.		
Drawing—Free-hand, Architectural and Engineering.		
SOPHOMORE.		
Analytical Geometry. Chemistry—Inorganic, Quantative Analysis.	Analytical Geometry and Calculus. Chemical Laboratory —Quantative Analysis.	Analytical Geometry and Calculus. Blow-Pipe Analysis. Mineralogy. Descriptive Drawing, Construction, Machines, Furnaces.
Physiology, Zoology. Drawing — Topographical Tinting & Grading, problems in Graphics.	German or Spanish. Drawing, problems in Graphics.	
JUNIOR.		
Integrals. Lectures on Metallurgy and Chemistry. Geology. Drawing — Graphical Statistics.	Mechanics. Crystallography and Determinative Mineralogy. Strength of Materials.	Mechanics. Assaying — Fire and Wet Methods. Mining Engineering. Ore Dressing.
SENIOR.		
Analysis of Gangue. Applied and Industrial Chemistry.	Lithology. Ore Dressing—Treatment of Refractory Ores. Stresses in Frames.	Time devoted to visiting mines, for the purpose of study and preparation of Thesis.

COLLEGE OF MUSIC AND ART.

FACULTY.

DAVID H. MOORE, A. M., D. D., President.

D. SELSOR BLANPIED, Mus. B., Dean, *Piano, Vocal Culture and Musical Composition.*

EMIL ZIETZ, (Das Leipziger Conservatorium), *Violin.*

IDA DeSTEIGUER, *Italian, Drawing and Painting.*

FOR BACHELOR OF MUSIC.

It is the purpose of the subjoined list of works not to lay down a fixed course of study so much as to give an idea of the general principle on which the instruction in the Department of Music is based, and the literature of which use is made in following this principle. In all cases, the talent and application of the individual will have to determine the precise nature of the instruction, as in this way alone satisfactory and permanent results can be obtained.

During the first year rudimentary instruction will be given in the correct position of the body and manner of holding the hands and fingers; their use in the several fundamental kinds of touch. At the same time the pupil will be taught the use of the musical staff, the clefs, the relative value of the notes and rests to represent duration of time, etc. The first volume of the "Piano School" of Lebert and Stark will be used as a book of reference. As soon as practicable, pieces calling for only the simplest activity of the fingers will be used, such as those of Loeschhorn, Lichner, Czerny, Reinecke and others. As soon as these

have been fairly overcome, the fundamental principles of playing scales—passing under the thumb, and passing over the hand—will be introduced; then a few scales carefully practised, after their construction has been explained. Pieces suited to the progress of the student will be studied, such as sonatines by Clementi, Reinecke, Czerny, Krause, Schmitt and others.

Following these, all the major and, later, the minor scales will be studied, with special reference to smoothness in passing the thumb under the hand, and the hand over the thumb, in a degree of velocity commensurate with the progress of the student. Wrist exercises are to be carefully studied. Reference books for the technical work, Plaidy's "Technical Studies." Studies by Loeschhorn, Krause, Duvernoy, Czerny, Koehler and others will be used; also the more difficult sonatas of Clementi, Kuhlau and others; the simplest sonatas of Haydn and Mozart; compositions of Mendelssohn, Schumann, and modern authors of acknowledged excellence.

The technical exercises will be pursued constantly according to Plaidy, Kullak and others. Studies by Loeschhorn, Czerny, Koehler and others; small sonatas by Haydn, Mozart and Clementi; compositions of Mendelssohn, Schumann and Schubert, and by modern composers, will be used. With the more rapid progress of the student, a classification of the works becomes more and more difficult. Technical ability and musical talent only can determine the course to be pursued. In due time the more difficult studies of Heller, Cramer, Czerny, Clementi, Moscheles, Henselt, Chopin, Liszt, Rubinstein and others will be introduced. As soon as the progress in execution and conception makes it possible, the pupil will be made familiar with the master works, classic as well as modern; while at all times it will be the aim of the teacher to pursue a course which will prevent the student from becoming one-sided and

unduly prejudiced; above all, however, from becoming the victim of a passing perversion of taste.

COURSE OF STUDY FOR THE ORGAN.

FIRST GRADE.

Students entering this department must thoroughly understand the rudiments of music, that is, position of the letters on the staves, with both the treble and bass cleffs; also, the various kinds of time and notes, etc.

TEXT BOOKS—Best's Thirty Studies; Lemmen's Organ School, part first; Rink's Organ School, book first; or a selection from the above.

SECOND GRADE.

Students having considerable knowledge of the piano-forte will not be required to go through the first grade.

TEXT BOOKS—Whiting's First Six Months at the Organ; Buck's Studies in Pedal Phrasing, books first and second; Rink's Organ School, second, third and fourth books.

THIRD AND FOURTH GRADES.

Students should have a thorough knowledge of harmony to enter this grade.

TEXT BOOKS—The Organist, by Southard & Whiting, (used particularly for the practice of instrumentation); Lemmen's Organ School, part second; Arrangements from the Scores of the Great Masters, by Best; Rink's Organ School, part fifth.

As soon as possible the more difficult compositions for the organ by the great masters will be taken up, such as the works of Bach, Mendelssohn, Hesse, Rink, Best, Smart and others; and in studying these, occasion will be taken to introduce information on registration, the accompanying of congregations and choirs, etc.

CULTIVATION OF THE VOICE.

Only a general outline of the course pursued in cultivating the voice can be given, as in this, almost more than in any other branch of the art, the individual talent will shape the manner of instruction. Special care will be taken to thoroughly inculcate the rudimentary principles of forming tones. The right manner of breathing, the correct position of all the organs used in singing, and the reasons for this, will be thoroughly studied in the compass, extended or limited, as it may be, which is perfectly natural to the individual voice. When the correct manner of using the tones within this natural compass has been attained, together with a fair degree of control in the equalizing of the different registers of the voice, new tones will be added until all the resources of the voice have been developed. At the same time the correct manner of producing all vowel sounds and of the consonants will be studied in solfeggios, and later, after the technical difficulties have to a great degree been overcome, the interpretation of difficult master works will receive thorough and careful attention. The exercises of Sieber, Concone, Lablache and others will be used.

HARMONY, THEORY AND HISTORY OF MUSIC.

The study of these three branches will go hand in hand with the instruction given in the practice of music. The rudiments of harmony, such as the development of the tonal system, the major and minor scales, triads, the manner of connecting them, as taught in thorough bass; the laws of rhythm and the use of the chords in forming correct chord successions, as taught in the theory of music: these and kindred subjects will be thoroughly studied; special stress being laid on obtaining not only a perfect knowledge of the laws governing them, but also a certain degree of facility in applying them; since the restrictions under which the student is placed—for instance, by being permitted to use at

first only triads and their inversions until fluency is attained—will serve to form the taste and counteract the effect of the total want of restraint which characterizes most of the compositions of the present day. In due time dissonant chords, passing notes and chords, suspensions, etc., will be introduced and their correct and effective use practically studied. Richter's *Manual of Harmony* will serve as book of reference. In connection with the study of these subjects the physical basis of the theory of music will be introduced. A special course in sound will be given, in which will be taught the theory of sound in relation to music. The apparatus for the experimental work in sound is very complete. This will be placed in the hands of the student, and he will be expected to measure the number of vibrations in a given tone, to prove all laws of vibrating strings, to analyze compound tones, to study musical intervals; interference, etc. This will be accompanied by a course of lectures by the Professor of Physics, in which the theory of music and the construction of musical instruments will be discussed.

The history of music will be studied at first in its general outlines, corresponding to the rudimentary instruction in the other branches; then with reference to particular instruction; and finally, in its relation to æsthetics, in the form of the philosophy of the history of music. In the entire course of instruction, the principal end and aim will be to introduce no matter which cannot be brought into connection with kindred subjects in other branches, so that a harmonious and logically correct system of instruction, practical as well as theoretical, will be the result. The following collateral studies, or their equivalent, are required in order to graduate:

	<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
FIRST YEAR.	Italian (2).	Italian (2).	Italian (2).
	Harmony (2).	Harmony (2)	Harmony (2).
	Algebra (5).	Algebra (5).	Algebra (5).
SECOND YEAR.	History of Music (2).	History of Music (2).	History of Music (2).
	Elocution (3).	Elocution (3).	Elocution (3).
	Geometry (5).	Geometry (5).	Geometry (5).
THIRD YEAR.	History of Music (2).	History of Music (2).	History of Music (2).
	French, German or Spanish throughout the year (3).	French, German or Spanish throughout the year (3).	French, German or Spanish throughout the year (2).
	Trench on Words (5).	Physics (5).	Physics (5).
FOURTH YEAR.	Theses—Music.	Theses—Music.	Theses—Music.
	Constitution United States.	Political Economy.	Political Economy.

General course of reading in English and American Literature, with fortnightly examinations.

BACHELOR OF PAINTING COURSE.

The technical work done in the Maryland Institute School of Art and Design, Baltimore, will be the model in this department. In addition thereto, there will be at least two recitations per day in related branches, including modern languages, mathematics, natural science and belles-lettres. The time required for the completion of this course and obtaining the degree of Bachelor of Painting will depend upon the talent and application of the student.

COURSE OF TECHNICAL INSTRUCTION.

- Stage 1,** . *a.* Drawing in Outline, from "Flat" Examples of Lines, Figures, Leaves and Vases.
b. Pencil Shading.
c. Practical Geometry and Use of Instruments.
- Stage 2,** . *a.* Drawing and Shading, from Casts of Geometrical Solids and Vases.
b. Drawing, in Outline, from "Flat" Examples of Ornament.
c. Practical Geometry, continued.
- Stage 3,** . *a.* Drawing and Shading, from Groups composed of Geometrical Figures and Vases.
b. Drawing, in Outline, from "Flat" Examples of the "Figure."
c. Elementary Perspective.
d. Elementary Design.
- Stage 4,** . *a.* Drawing and Shading, from Casts of Details of Architectural Ornament. First Series.
b. Landscape, in Pencil Shading.
c. Perspective and Design, continued.
- Stage 5,** . *a.* Drawing and Shading, from Casts of Details of Architectural Ornament. Second Series.
b. Shading, in India Ink, from the "Flat."
c. Perspective and Design, continued.
- Stage 6,** . *a.* Drawing and Shading, from Details of Architectural Ornament. Third Series.
b. Coloring Diagrams in the Primary Colors.
c. At this point the student is required to produce well-drawn Diagrams, illustrating the Primary Rules of Perspective.
- Stage 7,** . *a.* Anatomical Drawing, from the Skull and Limbs of the Skeleton.
b. Flower Painting, in India Ink, from the "Flat."
c. Drawing, from Casts of Antique Features.
d. Flower Painting, in Natural Colors, from the "Flat" and from Flowers.
e. Perspective and Advanced Design.
- Stage 8,** . *a.* Drawing and Shading, from Casts of Heads, Arms and Feet, from the Antique and from Life.
b. Landscape, in Monochrome (Water Color).
c. Advanced Perspective and Design.

- Stage 9,** . *a.* Drawing and Shading, from Casts of Antique Busts.
 b. Drawing and Shading, in India Ink, from Casts of
 Leaves from Nature.
 c. Landscape, in Water.
 d. Perspective and Advanced Design.
- Stage 10,** . *a.* Painting, in Water Colors, from the "Flat," a Series
 of Styles of Colored Ornament, as Applied to
 Design.
 b. Drawing, from Casts of the Muscular System.
 c. Drawing, from the Skeleton.
 d. Applied Design.
- Stage 11,** . *a.* Drawing, from Casts of Full Length Figures, Antique.
 b. Flower Painting, from Nature.
- Stage 12,** . *a.* Landscape, in Oil, from the "Flat."
 b. Fruit, from Nature, in Oil.
- Stage 13,** . *a.* Figure, from the Cast, in Crayon, Charcoal and Oil.
 b. Figure, from Life, in Crayon, Charcoal and Oil.
- Stage 14,** . Life Studies and Sketches.

SPECIAL COURSES.

SELECT STUDIES.

Students who, for good reasons, are not candidates for degrees, will be assisted to select such studies from the regular courses as will be best adapted to meet the requirements of their cases. And, until our schools of law, divinity, etc., are established, students contemplating a profession will be directed to the best course preparatory to that end, and will be entitled, after at least one year's successful work in our classes, to an official certificate from the Faculty of the studies pursued under our direction.

REDUCTION OF ORES, ETC.

Professor Wheeler, during the Spring term, will organize special classes in assaying, reduction of refractory ores,

mineralogy, etc., designed to prepare for the intelligent prospecting and practical working of mining interests. His intimate and long acquaintance with this kind of work, and his great scientific learning, guarantee the value of these courses.

COMMERCIAL COURSE, BOOK-KEEPING AND TELEGRAPHY.

Whenever five students apply for special work preparatory to mercantile pursuits, a class will be organized, and given every advantage offered by the best commercial colleges. The services of a practical book-keeper and of a practical telegrapher will be secured, and nothing omitted necessary to thoroughness and efficiency.

Post-graduate and professional courses will in due time be added, and scholarships established as soon as the funds of the University justify.

NORMAL COURSE.

Those who wish to prepare themselves for teaching in the public schools will find the following studies, taken from the Preparatory Department, advantageous:

Algebra,	Physiology,
Arithmetic,	Zoology,
Physical Geography,	General History,
Botany,	U. S. History,
Geology,	U. S. Constitution,
Astronomy,	Rhetoric,

Courses of reading in English and American Literature.

PREPARATORY DEPARTMENT.

Under the circumstances, we have found it necessary to organize a department for preparatory instruction. While graduates of the Denver High School, and of other schools of an equal grade, are thoroughly prepared to enter our Freshman class, there is an advantage in fitting for the University courses, under the University management. Our own preparatory courses naturally harmonize more perfectly with our advanced work. The Collegiate Preparatory Courses are as follows:

PREPARATORY CLASSICAL COURSE.

	<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
FIRST YEAR.	Latin Grammar and Reader. Algebra. Physical Geography.	Latin Grammar and Reader. Algebra. Physiology.	Latin Grammar, Cæsar begun. Higher Arithmetic— Algebraic Methods. Botany.
SECOND YEAR.	Cæsar, I and II Books. Algebra. Ancient History.	Cæsar, III and IV Books. Algebra. Mediaeval History.	Cicero—Catiline Orations. Algebra. Modern History.
THIRD YEAR.	Cicero, three Select Orations and Compositions. Greek Grammar. Geometry.	Vergil, I Book and Composition. Greek Grammar. Geometry.	Vergil, II Book and Composition. Anabasis. Geometry.
FOURTH YEAR.	Vergil, III, IV, V and VI Books. Anabasis. Rhetoric.	Vergil, Eclogues. Pliny's Letters. Homer. Physics.	Homer. Greek and Roman Literature. Physics.

Greek and Roman Antiquities, in connection with Greek and Latin recitations, throughout fourth year.

Courses in English and American Literature, with fortnightly examinations, throughout second and third years.

General Literary Exercises throughout the course.

PREPARATORY SCIENTIFIC COURSE.

	<i>First Term.</i>	<i>Second Term.</i>	<i>Third Term.</i>
FIRST YEAR.	Algebra.	Algebra.	Higher Arithmetic— Algebraic Methods.
	Physical Geography.	Physiology.	Botany.
	French or Spanish Grammar.	French or Spanish Grammar & Reader.	French or Spanish Reader.
SECOND YEAR.	Algebra.	Algebra.	Algebra.
	Rhetoric.	Zoology.	Review U. S. History. Mechanical Drawing.
	German or Latin Grammar.	German or Latin Reader.	German or Latin Reader.
THIRD YEAR.	Geometry.	Geometry.	Geometry.
	Ancient History.	Mediæval History.	Modern History.
	French : Charles XII, or Spanish.	German Tragedies or Latin.	Hodge's Course in Scientific German ; or Latin.
FOURTH YEAR.	Elementary Geology.	Trigonometry and Surveying.	Trigonometry and Surveying.
	Trench on Words.	Physics.	Physics.
	Constitution of the United States.	Chemistry.	Chemistry.

Courses of reading in American and English Literature, with fortnightly examinations, second and third years.

General literary exercises throughout the course.

JUNIOR PREPARATORY DEPARTMENT.

This department has been organized at the earnest petition of many of our patrons resident in Denver. Full particulars as to studies, etc., furnished on application. The Collegiate Preparatory and the Junior Preparatory Departments of the University constitute the Colorado Seminary.

MISCELLANEOUS INFORMATION.

Denver is the Damascus of the West. Its beauty is the wonder of all who see it. Its intelligence is in proportion to its marvelous growth. Its churches are ably supplied, and its schools second to none in the country. Music and the Fine Arts are widely cultivated. Colorado is the health resort of America; many thousands come here annually. The University offers to young people, who cannot endure other climates, educational advantages equal to those of the best Eastern Colleges.

LOCATION.

The location, southwest corner Fourteenth and Arapahoe, is within two squares of the center of the city, in a very attractive residence neighborhood, on a plateau commanding a magnificent view of the foot-hills and the snowy range of the Rocky Mountains.

BUILDINGS.

The buildings are accurately shown in the accompanying cuts. They consist of a central structure with two wings, showing a frontage of 125 feet, a depth of 100 feet, and an average height of four stories.

The south wing is exclusively for ladies. The rooms are large, cheerful and well furnished. Each has a register for steam heating, and bath room privileges, etc. Two students occupy a room. The parlors, dining-hall and ladies' gymnasium are located in this wing; and the recitation rooms and chapel are so situated as to be accessible to the young ladies without exposure to sun or storm.

The private rooms of the gentlemen are in the north wing, and are very comfortable and attractive. Here also are three recitation rooms, the assembly hall, fifty-five by forty-three feet, and a gymnasium.

The central building is used almost exclusively for school work. On the first floor are the Library, Crary Cabinet and Art Gallery; on the second, the Chemical Lecture Room, Physical Laboratory, Lathe Room and Language and Mathematical Departments; on the third, the Assay and Chemical Laboratories. These buildings are heated with steam, chiefly by indirect radiation. The system of ventilation is perfect. Nothing which is conducive to health or comfort has been omitted.

LABORATORIES—APPARATUS.

Incidental mention has already been made of the Laboratories. There are three, thoroughly equipped; one for Assaying; one for Chemistry; one for Physics.

The apparatus is ample and from the best makers in Europe and America. The following sketch of the work actually done in the Laboratories will indicate the facilities for instruction:

PHYSICAL LABORATORY WORK.

The laboratory work consists of accurate determinations of Nature's Constants by the students, in which they are drilled in the use of instruments for exact measurement, and made acquainted with the most approved methods of investigation in physical measurement; also taught where to look for sources of error, estimate personal equation, and test the value of their results by calculating the probable error. Much of this work of necessity covers the same ground that has been gone over for the purpose of learning *how* to do the work; but considerable time is given to original investigation, planning and constructing apparatus for obtaining particular results, also calculating and deducing formulæ for such results. This work is accompanied by weekly lectures on new methods and means of investigation. The apparatus for this part of the work is constructed for the purpose of original investigation, and is very accurately made—consequently expensive. It is

necessary to have apparatus for this class of work on which one can rely for exact measurements, as pieces which can be used for illustration are utterly worthless for this purpose. No work so stimulates the student as that in which he discovers some new truth, and thus adds something to the stock of scientific knowledge of to-day, and it is one aim of this department to subserve this purpose. Again, exact measurement and estimation of probable error furnish a kind of training that can be obtained in no other way. The best apparatus has been secured to accomplish this end. For example, Melloni's heat apparatus, as used by Professor Tyndall in his investigations in radiant heat; large chronograph, by Konig; Helmholtz's syren; a large spectroscope—arc (graduated on silver) made by Browning, of London—this piece was made especially for the laboratory of the University of Denver; fine spectrometer; apparatus for determining the co-efficient of expansion of solids; several galvanometer and resistance coils, etc., for electrical measurements, manufactured by Elliot Bros., London; Lissijou's apparatus for studying musical intervals; also, a complete set of meteorological apparatus. We expect to add new pieces to our stock as the necessity of the work requires.

The following is a scheme of the work for the two years' college course in this department:

First Year, . . *First Term,* . . Preliminary Work in Physical Measurements and Taking Notes.

Second Term, . Heat.

Third Term, . Heat and Sound.

Second Year, . *First Term,* . . Light.

Second Term, . Light and Electricity.

Third Term, . Electricity.

Extra work can be done in the laboratory in the third year, if the student wishes to elect such work for original investigation.

CHEMICAL LABORATORY WORK.

Two years are spent in the chemical laboratory, which is fitted to meet the requirements of good analytical work. Each pupil is provided desk-room, re-agent bottles, a balance (Becker's), spectroscope, and will have access to the reference chemical library. The work of this department acquaints the student with methods of qualitative and quantitative analysis, and enables him to conduct independent investigation.

The following is a scheme of the laboratory work:

First Year, . . QUALITATIVE ANALYSIS.

First Term, . . Analysis in the dry way.

Second Term, . . Analysis of ordinary acids and bases
in the wet way.

Third Term, . . Analysis in the wet way completed.

Second Year, . . QUANTITATIVE ANALYSIS.

LIBRARY.

There is an encouraging beginning. The Rev. I. H. Beardsley has undertaken to fill an alcove with five hundred volumes, in memory of his deceased son. Hon. E. H. Moore, Rev. Dr. Wm. Nast, Rev. Dr. B. F. Crary, Miss Ida DeSteiguer, have made very considerable donations, and many others have contributed from one to five volumes. We shall be greatly obliged for gifts of standard works. Who will name an alcove of poetry? Who one of classic prose? Who one of physical science?

THE CRARY CABINET.

The University has in the Crary Cabinet the nucleus of a very valuable collection for illustrating the sciences of Geology and Mineralogy. Nearly all of the more important minerals are represented by characteristic specimens, and very many of the less common specimens are also found in the collection. It is especially full in the minerals of Colo-

rado, and having many duplicates, the range of specimens will be constantly increased by judicious exchanges.

A specially valuable feature of the collection is the department of ores, in which a large number of representative specimens, from leading Colorado mines, are incorporated. The suite pertaining to the mines at Leadville is particularly complete, and was donated by Mr. Gilbert L. Havens. A considerable number of typical fossils are also contained in the collection, principally from the paleozoic and tertiary rocks. Valuable additions have been made during the year by the Revs. Cranston, Evans and Brooks, of Colorado, Mr. Lee Durbin, of Silver Cliff, Mr. Beardsley, of Denver, and Mr. A. H. Ridenour, of Cincinnati, Ohio.

. GOVERNMENT.

The University is under the auspices of the Colorado Conference of the Methodist Episcopal Church. Its management is thoroughly Christian, but in nowise sectarian.

Nothing unreasonable will be required of the students, and no requirement suffered to be neglected or disregarded. Parents who do not wish their children governed, and young people unwilling to submit to the regulations of the University, *are frankly advised that this is not the place for them.* There can be no satisfactory progress without a cordial agreement between the faculty and the students, and this will only be possible where the latter give themselves cheerfully and wholly to their legitimate work. Hence, the order of the day will be study. Recreation will not be ignored, but kept to its proper place.

It will be impossible to enumerate all the features of government; but especial attention is called to the following:

STUDENTS BOARDING IN THE CITY

Will be amenable to the general regulations while in and about the University buildings.

Loitering in the halls or on the grounds during study hours will be treated as a misdemeanor. Students are expected to be at their homes or in the class rooms or study hall of the University. Special permission is required for visiting the students' rooms.

Such deportment as becomes *ladies* and *gentlemen* will be constantly and everywhere expected. Smoking, drinking and card-playing and the use of improper language must be avoided.

Offenses against the rules of the University, or neglect of study, will lead, first, to private admonition; second, to notification of parents; and finally, to suspension or expulsion.

Each student is expected to attend some church at least once on Sunday. The church attendance roll will be called every Monday morning.

STUDENTS BOARDING IN THE UNIVERSITY.

No habit is more important than

Punctuality.—Hence promptness in reporting for study, recitation, worship, meals, etc., will be insisted upon, and tardiness visited with suitable penalties.

Neatness in person and room will be expected. Students occupying rooms will be responsible for their care and order. All damages to rooms or furniture will be assessed equally upon the occupants, and all rooms will be held subject to inspection by the University officers at pleasure.

Politeness and courtesy will be required of all. At the table and in the weekly receptions, it will be the constant aim to respect the laws of good breeding.

Reverence for the Lord's day and worship will be carefully cultivated. Once at least on Sunday all the students will attend church, and, in the evening of every day, family worship. Chapel attendance will be rigidly required.

The president and his family and many of the professors reside in the University, and exercise a constant and kind supervision over the students, and make their life as safe, pleasant and home-like as possible.

Permissions.—Students are due in their rooms or classes during study hours. Leave of absence and all permissions must be secured from the designated officers at specified times.

Both sexes meet with the freedom of a well-regulated family, at meals and in the ordinary school duties. Formal receptions are held at stated times in the parlors of the ladies' hall. The halls are separate, and each is wholly free from intrusion.

The food provided is generous in quantity, first class in quality, and thoroughly well prepared. Parents are earnestly requested to abstain from sending any sweetmeats and provisions—except fruits—to their children.

EXPENSES FOR DAY STUDENTS.

TUITION:	First Term. Sept. 1-Dec. 20.	Second Term. Jan. 3-Apr. 1.	Third Term. Apr. 1-June 15.
College Classes	\$40 00	\$32 50	\$27 50
College Preparatory	32 00	26 00	22 00
Junior Preparatory—			
7th and 8th Grades . . .	24 00	19 50	16 50
4th, 5th, 6th “ . . .	20 00	16 25	13 75
1st, 2nd, 3d “ . . .	16 00	13 00	11 00

Payable by the term in advance. Bills two weeks in arrears, will arrest the further progress of the student until settled in full. On bills paid within five days of the opening of the term, a reduction of five per cent. will be allowed. No reduction for lost time, except in cases of protracted sickness, when the loss will be divided equally between the University and the student. No student received for a less period than the current term. Extra charges for use of laboratories and apparatus, from seven to ten dollars per term.

Day students in any of the regular classes will be furnished tuition in Music and Fine Arts at a reduction of twenty per cent. from the catalogue prices.

CHARGES FOR SPECIAL STUDIES—MUSIC.

For quarter of ten weeks, two lessons per week.

Vocal or Piano, Preparatory Grades	\$15 00
“ “ Intermediate Grades	20 00
“ “ Academic Grades	25 00
Pipe Organ, Intermediate	20 00
“ Academic	25 00
Harmony, Counterpoint and Composition, in classes, one lesson per week	5 00

Chorus practice free to regular students in music; to others, three dollars per quarter.

Use of Piano for practice, six dollars per quarter.

Payable in advance. Discount of five per cent., if paid within five days of entering; ten per cent., if paid for the year in advance.

FINE ARTS.

For quarter of ten weeks, two lessons per week.

Pencil Drawing	\$10 00
Perspective	12 50
Crayon Drawing	12 50
Water or Oil Colors	12 50
Same terms as above.	

EXPENSES FOR BOARDING STUDENTS.

First Term—September 1 to December 20 . . .	\$158.00
Vacation—December 20 to January 3	16.00
Second Term—January 3 to April 1	126.00
Third Term—April 1 to June 15	108.00

This includes tuition in any of the regular courses, furnished room, board, steam, light, and plain washing.

Select studies, approved by the faculty, may be pursued without extra cost. Or, any two studies, with either music

—in classes of two—drawing, crayoning or painting, without additional charge.

Extra charges will be assessed as follows: On those using chemical laboratory, \$10 per term; physical laboratory, \$7; assay laboratory, \$10; use of piano for practice, two hours per day, \$24 per year.

When Payable.—*The bill for each term must be settled in advance. If paid for the entire year in advance, a reduction of ten per cent. will be made. To two students from the same family, a reduction of ten per cent. will be made; and if the bill is paid in advance for the year, a further reduction of five per cent. will be allowed.*

Boarding students will mark all their clothing, towels, etc., distinctly *with their names*. Each will provide a pair of blankets, at least six towels, six table napkins, and a napkin ring.

Those preferring to board in the city can secure good day board at from five to six dollars per week; furnished rooms at from twelve to thirty dollars per month, according to location; unfurnished rooms a trifle lower; washing, from fifty cents to one dollar a dozen.

By taking a room together and boarding themselves, two students can materially reduce expenses.

For further information, address specific questions to the Chancellor.

CATALOGUE OF STUDENTS,

By departments, alphabetically arranged.

The Junior Preparatory Department, numbering fifty-eight, is not included.

B. A. COURSE.

Hipp, John, Greenland.

B. S. COURSE.

Baldwin, Henry Lewis, Denver.

COLLEGIATE PREPARATORY AND SPECIAL.

Ablard, James William,	Greeley.
Aiken, James Nathaniel,	Denver.
Allison, Edward Everett,	Denver.
Bates, William Edward,	Denver.
Berkey, Dexter Otis,	Denver.
Bogardus, Graham,	Brooklyn, New York.
Brannan, Catherine,	Leadville.
Brotherton, William,	Denver.
Burgess, Eva Celestia,	Platteville.
Davis, William Claude,	Denver.
Fillmore, James Norman,	Denver.
Gomer, Frank L.,	Denver.
Goodridge, Carrie Elvira,	Denver.
Gove, William Carlos,	Denver.
Gray, Nena L.,	Denver.
Henderson, Margaret May,	Denver.
Herrick, Jane E.,	Denver.
Hooper, Charles Jose,	Brookline, Mass.
Horner, Lillian,	Bear Creek.
Landers, Louise,	Indianapolis, Indiana.
Law, Harvey Milton,	Arvada.

Levy, Robert,	Denver.
Libby, Charles L.,	Argo.
McLene, Jeremiah B.,	Denver.
Millington, Francis Wesley,	Denver.
Moore, William Augustus,	Denver.
Moore, Alfred Truman,	Denver.
Powers, Joseph Brown,	Chicago, Illinois.
Sanford, Albert Byron,	Denver.
Skinner, Lizzie E.,	Denver.
Stickle, Laura Ellen,	Golden.
Strickler, Henry,	Denver.
Tolles, Caroline Adelia,	Central City.
Turton, Clara Bell,	Denver.
Tyler, Paul,	Clinton, Missouri.
Warner, Eliza,	Denver.
Wagh, Mary Etta,	Denver.
Webber, DeWitt,	Denver.
Winne, Dora Estelle,	Denver.
Winsor, Laban Clark,	West Las Animas.

COLLEGE OF MUSIC AND ART.

PIANO—PREPARATORY.

Boyvin, Louesa,	Denver.
Horner, Lillian,	Bear Creek.
Light, Ella,	Denver.
Shostrom, Eddie,	Denver.
Warner, Emma,	Denver.

INTERMEDIATE.

Bayles, Lydia,	Denver.
Beck, Ella,	Denver.
Charpiot, Adaline,	Denver.
Devenport, Minnie,	Greeley.
Eddy, Ellen N.,	Mechanicsville, Vt.
Farrar, Genevieve,	Cheyenne.
Goodridge, Carrie E.,	Denver.

Henderson, Margaret May,	Denver.
Lipe, Cora,	Denver.
Megrue, Mary F.,	Denver.
Mills, Mamie,	Denver.
Morris, Mrs. Elizabeth,	Denver.
Norton, Ollie,	Denver.
Skinner, Elizabeth,	Denver.
Skinner, Anna,	Denver.
Spencer, Mary M.,	Melbourne, Australia.
Tarbell, Elizabeth Moffat,	Golden.
Warren, Lillie,	Denver.
Winne, Dora E.,	Denver.

VOCAL—PREPARATORY.

Charpiot, Adaline,	Denver.
Clark, Lottie A.,	Denver.
Hipp, John,	Greenland.
Ives, H. B.,	Denver.
Kenning, Mrs. G. E.,	Denver.
Lipe, Cora,	Denver.
Megrue, Mary F.,	Denver.
Miller, Lulu,	Denver.
Mills, Mamie,	Denver.
Rockwell, Cora,	Denver.
Shattuck, Fannie,	Greeley.
Skinner, Elizabeth,	Denver.
Tucker, Ellen S.,	Portsmouth, N. H.
Tarbell, Lizzie,	Golden.
Wood, Mrs. J. A.,	Denver.

VOCAL—INTERMEDIATE.

Butler, Etta V.,	Denver.
Ensey, Grace,	Denver.
Lurton, Lutie,	Jacksonville, Ill.
Sampson, Mrs. Gen. A. J.,	Denver.
Warner, Sannie B.,	Denver.
Super, Ovando B.,	Denver.

VIOLIN—PREPARATORY.

Ashley, Frank,	Denver.
Brown, Harry,	Denver.
Newman, Louis,	Denver.
Reakirt, Llewellyn,	Cincinnati, O.

FINE ARTS.

PENCIL DRAWING.

Balcom, Mrs. P. A.,*	Denver.
Church, Mrs. Hon. Frank,	Denver.
Davis, William C.,	Denver.
Faux, Ida A.,	Denver.
Hooper, Charles Jose,	Brookline, Mass.
Lipe, Cora,	Denver.
Moore, Alfred T.,	Denver.
Morrison, Mattie,	Denver.
Pinkney, Jennie,	Denver.
Stickle, Mamie,	Golden.

* Deceased.

CRAYON.

Davis, William C.,	Denver.
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CHINA PAINTING.

Lowell, Sunie,	Chicago, Ill.
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OIL PAINTING.

Lowell, Sunie,	Chicago.
Pinkney, Mrs. M. E.,	Denver.
Rockwell, Helen,	Denver.
Roworth, F. E.,	Denver.
Spencer, Mamie M.,	Melbourne, Australia.

COLLEGE OF MEDICINE.

FACULTY.

REV. DAVID H. MOORE, A. M., D. D., President.

R. G. BUCKINGHAM, M. D., Dean, *Professor of Forensic Medicine.*

H. K. STEELE, M. D., *Professor of Principles and Practice of Surgery.*

F. J. BANCROFT, M. D., *Professor of Clinical Surgery—Fractures and Dislocations.*

J. C. DAVIS, M. D., *Professor of Operative Surgery and Surgical Pathology.*

H. A. LEMEN, M. D., *Professor of Theory and Practice of Medicine and Clinical Medicine.*

C. M. PARKER, M. D., *Professor of Clinical Medicine—Fevers and General Diseases.*

W. H. WILLIAMS, M. D., *Professor of Diseases of Women and Children.*

A. STEDMAN, M. D., *Professor of Obstetrics.*

CHARLES DENISON, A. M., M. D., *Professor of Diseases of the Eye and Chest.*

A. W. ADAMS, M. D., *Professor of Diseases of the Ear and Throat.*

J. J. MACDONALD, M. D., *Professor of Physiology.*

W. R. WHITEHEAD, M. D., *Professor of Anatomy and Diseases of the Genito-Urinary Organs.*

W. E. WILSON, M. D., *Professor of Materia Medica and Therapeutics.*

WILLIAM H. WARN, M. D., *Professor of Gynecology.*

SIDNEY H. SHORT, B. S., *Professor of Chemistry.*

J. H. KIMBALL, M. D., Secretary of the Faculty, *Professor of Diseases of the Mind and Nervous System.*

DRYDEN JOHNSON, M. D., *Demonstrator of Anatomy.*

This college has been organized to give thorough and practical training to the students in medicine. The faculty will follow the graded course as recommended by the American Medical Association, and adopted by the leading colleges.

The curriculum embraces three consecutive annual courses of lectures, extending from November to the last Wednesday in April, as follows:

FIRST YEAR—JUNIOR.

Anatomy,	Materia Medica,
Physiology,	General Chemistry.
Histology,	

SECOND YEAR—MIDDLE.

Anatomy,	Therapeutics,
Diseases Genito-Urinary Or-	Nervous and Mental Diseases,
gans,	Medical Jurisprudence,
General Pathology and Pathol-	Hygiene,
ogical Anatomy,	Medical Chemistry.

THIRD YEAR—SENIOR.

Theory and Practice of Medi-	Laryngoscopy,
cine,	Medical and Surgical Diseases of
Clinical Medicine,	Women,
Principles and Practice of Sur-	Clinical Gynecology,
gery,	Obstetrics,
Clinical Surgery.	Diseases of Children,
Ophthalmology,	Physical Diagnosis.
Otology,	

While the Faculty earnestly recommend students to follow out the graded-course system, they do not make it obligatory, and have arranged the lectures of the different courses so as not to conflict with each other. Students will be expected to attend all the lectures in the course to which their class belongs. Attendance upon other lectures optional.

TEXT BOOKS.

The following are recommended as Text and Reference Books:

- Anatomy—Gray, Wilson, Heath's Dissector.
- Physiology—Foster, Carpenter, Flint.
- Chemistry—Horton, Fownes, Wheeler's Medical.
- Materia Medica—Bartholow, Stille, H. C. Wood.
- Pathology—Billroth, Green, Wagner.
- Surgery—Smith, (for beginners), Grow, Bryant, Erickson.
- Obstetrics—Leichman, Cazeaux, Barker on Puerperal Diseases.
- Practice of Medicine—Flint, Reynolds, Bartholow, Tanner, Neimeyer.
- Histology—Frey & Stricker.
- Microscopy—Richardson, Beale.
- Toxicology—Taylor.
- Gynecology—Munde, Byford.
- Diseases of Women—Thomas, Emmet, Simms.
- Diseases of Nervous System—Hammond, Charcot, Hamilton.
- Diseases of the Chest—Flint, Walshe, Loomis.
- Diseases of the Throat—Lennox, Brown, Cohen, McKenzie.
- Diseases of the Eye—Williams, Wells, Carter.
- Diseases of the Ear—Turnbull, Burnett, Roosa.
- Medical Jurisprudence—Wharton & Stille.
- Fractures and Dislocations—Hamilton.
- Diseases of Children—Meigs & Pepper, Smith, Ellis.
- Diseases of the Skin—Tilbury, Fox, Hebra.
- Reference—Dunglison's Medical Dictionary, U. S. Dispensatory.

REQUIREMENTS FOR ADMISSION.

All applicants for admission as matriculates must pass a thorough examination in English composition, handwriting, grammar, arithmetic, natural philosophy, rudiments of Latin or Greek. The degree of A. B., a diploma from any high school, or a certificate of proficiency in the above named branches from a reputable teacher of such school, shall be received in lieu of examination. These examinations will be held on the first Tuesday in November and the following days of that week.

Applicants for advanced standing will be examined at the same time by the professors of such chairs as they desire to pass.

CONDITIONS FOR GRADUATION.

Every applicant for graduation must have attained the age of twenty-one, be of good moral character, have studied medicine for three years under the direction of a regular physician or surgeon, and attended ^{2 1/2} full courses of lectures, the last of which at the college. He must also have pursued the study of practical anatomy and chemistry during two sessions at this or some other regular medical school. He must also present to the Secretary or Dean a thesis on some medical subject, composed by himself and in his own handwriting, and pass a satisfactory examination before the Faculty of the Medical Department in the seven principal branches of medical science.

DIPLOMAS.

Diplomas for the degree of Doctor of Medicine will be issued by the University on the recommendation of the Medical Faculty.

FACILITIES FOR WORK.

BUILDINGS.

The University buildings, Fourteenth and Arapahoe, furnish apartments for some of the lectures; and additional quarters, conveniently located, have been secured for the exclusive use of this department, until the completion of a projected medical college building.

LABORATORIES.

The finely equipped laboratories of the University furnish unsurpassed advantages for practical work.

CLINICAL ADVANTAGES.

There are four hospitals in Denver, and the large number of railroads centering here furnish abundant material for clinical surgery. Especially in the line of pulmonary affec-

tions, does the large number of invalids annually resorting to Denver for health afford a full supply of clinical material. Medical and surgical clinics will be held weekly; and, as opportunity offers, the professors in the other departments will clinically illustrate their lectures.

EXPENSES.

All fees are payable in advance.

Matriculation.	\$ 5.00
Lecture fees for the full course	75.00
Admission to the dissection room.	5.00
Material at cost.	
Graduation	30.00

Alumni from this college can attend the lectures by matriculating, and from other regular medical colleges, by payment of the matriculation and one-half the regular fees.

Students who have already attended two full courses of lectures at regular medical schools, the last of which shall have been at the college, are admitted to the third term course of lectures on payment of one-half the regular fees.

Furnished rooms, fifteen dollars per month and upwards, according to quality; table board, from five to six dollars per week; washing, from fifty cents to one dollar per dozen.

CALENDAR.

Lecture course begins the first Wednesday in November, 1881; closes, last Wednesday in April, 1882.

Commencement exercises, 8 p. m. last Wednesday in April.

For additional particulars, address specific inquiries to the Dean or the Secretary of the Medical Faculty.

TEXT AND REFERENCE BOOKS,

FOR THE LITERARY DEPARTMENT.

History.—Swinton's Outline of the World's History; Dicken's English History; Greene's Short History English People; Lingard; Froude; Anderson's Series; Smith; Grote.

Rhetoric.—Hart, Hill, Haven.

English Literature.—Brooke's Primer, Swinton, Morley & Tyler, Taine.

Political Economy.—Fawcett, Mill, Walker.

Mental Philosophy.—Upham, Haven, McCosh, Porter, Hamilton.

Logic.—Thomson, Jevons, Hamilton, Mill, McCosh.

Constitution United States.—Alden, Andrews, Kent, Webster's Orations, Steven's History Rebellion.

Ethics.—Bascom, Haven.

Christian Evidences.—Hopkins, Barnes, Butler, Alexander.

History Philosophy.—Ueberweg.

Latin, Preparatory.—Latin Lessons, Leighton; Allen & Greenough's Latin Grammar, Cæsar, Cicero's Orations, Virgil, Latin Prose.

Latin, Collegiate.—Livy, Horace, Juvenal, Tacitus, Germania and Agricola, Cicero's Tusculan Disputations: Chase & Stuart.

Greek, Preparatory.—Greek Lessons, White; Grammar, Goodwin; Anabasis, Goodwin; Homer's Iliad, Boise; Greek Prose, Jones.

Greek, Collegiate.—Herodotus and Thucydides, Boise & Freeman's Selections; Odyssey, Merry; Plato's Apology and Crito, Tyler; Demosthenes, D'Ooge; (Edipus Rex, White; Prometheus, Allen.

German.—Grammar, Schmidt; Reader, Worman.

French.—Grammar and Reader, Ahn.

Spanish.—Ollendorff's Grammar; Tolon's Reader.

Mathematics and Astronomy.—Franklin's Written Arithmetic, Stoddard's Complete Arithmetic, Olney's Complete School Algebra, Olney's University Algebra, Olney's Special Geometry and Trigonometry (University edition), Olney's General Geometry and Calculus, Lockyer's Elementary Astronomy, Newcomb & Holden's Astronomy, Todhunter's Mechanics.

Physics, Text Books.—Deschanel's Elementary Physics, Pickering's Physical Manipulations.

Physics, Reference Books.—Tyndal's Light, Heat, Electricity, Sound; Thomson & Tait's Natural Philosophy; Spottiswoode on Polarization of Light; Jamin's Cours de Physique; Wullner's Course in Physics; Balfour Stewart on Heat; Kohlrausch's Physical Measurements; Clark & Sabin's Electrical Measurements; Rood's Modern Chromatics; Lockyer's Spectrum Analysis.

Chemistry.—Norton's Elementary Inorganic Chemistry, Wheeler's Organic Chemistry.

Laboratory Work.—Fresenius's Qualitative and Quantitative Chemical Analysis; Galloway's Chemical Analysis; Beilstein's Qualitative Chemical Analysis; Thorpe's Quantitative Analysis.

Reference Works.—Watts' Dictionary of Chemistry, Payne's Industrial Chemistry, the American Chemist, Roscoe & Scholemmer's Chemistry, Taylor on Poisons, Rose's Quantitative Chemical Analysis.

Geology and Mineralogy.—Dana's Manual of Geology, Dana's Mineralogy, Wheeler's Determinative Mineralogy, Rickett's Assaying.

Botany.—Gray's Manual.

CALENDAR,

1881-1882.

1881.

- Sept. 1—Dec. 20. FIRST TERM.
 Dec. 20. 7½ p. m. Alcyone Exhibition.
 Dec. 20—Jan. 3. Holiday Vacation.

1882.

- Jan. 3—April 1. SECOND TERM.
 April 1—June 15. THIRD TERM.
 June 11. *Sunday*, 8 p. m. Annual Sermon.
 June 12. *Monday*, 8 p. m. Commencement Exercises—Preparatory Department.
 June 13. *Tuesday*, 8 p. m. Annual Address and Commencement College of Music.
 June 14. *Wednesday*. Exhibition Department Fine Arts.
 “ 3 p. m. Annual Meeting Board of Trustees.
 June 12-14. Public Examinations.

MEDICAL COLLEGE.

- Nov. 2, 1881, to April 26, 1882. Regular Lecture Course.
 Nov. 2-5, 1881. Examination of Matriculates.
 April 26, 1882, 8 p. m. Commencement.

SCHOLARSHIP.

The students are graded on a scale of 100. 50-60 conditions; below 50 is a failure. Term reports are forwarded to parents. Care is taken not to overwork the students; but what they do is required to be done well.

INDEX.

	PAGE
Art, College of	16
Books, Text and Reference	40
Buildings, Description of	22
Cabinet, the Crary of Minerals	25
Calendar for 1881-82	42
Catalogue of Students	31
Committee, Executive	4
Conference Visitors and Examiners	4
Courses of Instruction:	
B. A.	8
B. S.	9
M. E.	10
M. D.	36
Mus. B.	11
B. P.	16
Preparatory	20
Special	18
Expenses.	28
" Medical College	39
Faculty, the General	5
" College Letters and Science.	7
" College Music and Art	11
" College Medicine.	35
Gentlemen's Hall, cut showing	2
Government	26
Laboratories	23
Ladies' Hall, cut showing	6
Library.	25
Medicine, College of	35
Miscellaneous Information	22
Music, College of	8
Normal Course	19
Preparatory Departments	20
Scholarship, Standard of	42
Special Courses	19
Teachers' Course.	19
Trustees	3

FOR BOTH SEXES.

“————— everywhere

Two heads in counsel, two beside the hearth,
Two in the tangled business of the world,
Two in the liberal offices of life,
Two plummets dropp'd for one to sound the abyss
Of science and the secrets of the mind.”



CIRCULAR OF INFORMATION
OF THE
UNIVERSITY OF DENVER
AND THE
COLORADO SEMINARY,
FOR 1883-4,
AND
GENERAL CATALOGUE.
1882-'83.

DENVER, COLO.:
MERCHANT PUBLISHING COMPANY.
1883.

I.

GOVERNMENT.

*The University is under the auspices of the Colorado Conference
of the Methodist Episcopal Church. Its management
is thoroughly Christian, but in nowise sectarian.*

BOARD OF TRUSTEES.

TERM EXPIRES 1883.

EX-GOV. JOHN EVANS, Denver.
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EX-CHIEF JUSTICE S. H. ELBERT, Denver.
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EX-GOV. F. W. PITKIN, Pueblo.
MR. W. D. PEASE, Cheyenne, Wyo.
REV. J. H. MERRITT, Greeley.

TERM EXPIRES 1884.

REV. J. DURBIN, M. D., Denver.
W. E. WILSON, M. D., Denver.
MR. GEO. FORD, Denver.
HON. FRANK CHURCH, Denver.
MR. H. B. EVEREST, Riverside, Cal.
T. G. HORN, M. D., Colorado Springs.
REV. T. A. UZZELL, Denver.

TERM EXPIRES 1885.

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HON. W. B. MILLS, Denver.
MR. GILBERT HAVENS, Leadville.
REV. H. S. HILTON, Va.
MR. E. T. ALLING, Canon City.
D. MORTIMORE, M. D., Denver.
MR. ALFRED WOLFF, Denver.

TERM EXPIRES 1886.

REV. EARL CRANSTON, D. D., Denver.
MR. JNO. A. CLOUGH, Denver.
REV. E. B. RIDDICK, D. D., Denver.
MR. J. W. BAILEY, Denver.
REV. O. L. FISHER, Denver.
HON. BELA M. HUGHES, Denver.

OFFICERS OF THE BOARD.

JOHN EVANS..... *President.*
J. W. BAILEY..... *Vice-President.*
EARL CRANSTON..... *Secretary.*
J. A. CLOUGH *Treasurer.*

EXECUTIVE COMMITTEE.

The above Officers, together with

S. H. ELBERT,
F. C. MILLINGTON,
J. DURBIN, M. D.

FINANCE COMMITTEE.

EARL CRANSTON, F. C. MILLINGTON
J. DURBIN, M. D., A. J. SAMPSON,
D. MORTIMORE, M. D.

BOARD OF CONFERENCE VISITORS AND EXAMINERS.

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REV. E. C. DODGE, Pueblo.
REV. J. S. MUSGROVE, Idaho Springs.
REV. O. L. FISHER, Denver.
REV. R. W. MANLY, Denver.
REV. B. W. BAKER, Denver.
REV. C. W. BUOY, Denver.
REV. T. A. UZZELL, Denver.

FACULTIES.

REV. DAVID H. MOORE, A. M., D. D., *Chancellor.*

The Chancellor of the University is Ex-Officio President of all the Faculties.

College of Letters and Science.

DAVID H. MOORE, *Mental Sciences and Political Economy.*

SIDNEY H. SHORT, B. S., Vice-President, *Physics.*

FRANCES A. FISH, A. M., Lady Principal, *Belles-Lettres.*

HERBERT A. HOWE, A. M., *Mathematics and Astronomy.*

OVANDO B. SUPER, A. M., Ph. D., Sec'y Faculty, *Languages.*

WILLIAM P. HEADDEN, A. M., Ph. D., *Chemistry and Geology.*

EARL CRANSTON, A. M., D. D., *Lecturer on Christian Evidences.*

BELA M. HUGHES, A. M., *Lecturer on International and Constitutional Law.*

S. H. ELBERT, A. M., LL. D., *Lecturer on Political Science.*

JOHN HIPPI,

E. M. CRANSTON,

W. A. MOORE,

} *Tutors in Ancient Languages.*

College of Music.

OSCAR MAYO, Dean, *Piano and Musical Composition.*

JESSIE HARDY, *Vocal Culture.*

MARY WENTWORTH, *Assistant in Instrumental Department.*

MAMIE J. DAWSON, *Elocution.*

_____, * *Violin.*

_____, * *Guitar.*

* To be elected.

College of Fine Arts.

IDA DESTEIGUER, Dean, *Drawing and Painting.*

CAROLINE P. DIXON, *Wood-Carving and Designing.*

Business College.

ROBERT J. WALLACE, Dean, *Book-Keeping, Commercial Laws.*

JNO. T. HARKINS, *Stenographer.*

——— *Telegraphy.*

JOHN HIPPI, *English.*

Medical College.

H. K. STEELE, M. D., Dean of Faculty, *Professor of Principles and Practice of Surgery and Clinical Surgery.*

F. J. BANCROFT, M. D., *Professor of Clinical Surgery—Fractures and Dislocations.*

J. C. DAVIS, M. D., *Professor of Operative Surgery and Surgical Pathology.*

H. A. LEMEN, M. D., *Professor of Principles and Practice of Medicine and Clinical Medicine.*

C. M. PARKER, M. D., *Professor of Clinical Medicine—Fevers and General Diseases.*

W. H. WILLIAMS, M. D., *Professor of Diseases of Women and Children.*

A. STEDMAN, M. D., *Professor of Obstetrics and Puerperal Diseases.*

CHARLES DENISON, A. M., M. D., *Professor of Diseases of the Chest and Climatology.*

W. R. WHITEHEAD, M. D., *Professor of Anatomy—Descriptive and Surgical.*

W. E. WILSON, M. D., *Professor of Materia Medica and Therapeutics.*

- J. H. KIMBALL, M. D., Secretary of Faculty, *Professor of Physiology and of Diseases of the Mind and Nervous System.*
J. W. GRAHAM, M. D., *Medical Jurisprudence.*
W. P. HEADDEN, A. M., PH. D., *Professor of Chemistry.*
E. C. RIVERS, M. D., *Lecturer on Ophthalmology.*
H. H. HOWLAND, M. D., *Lecturer on Laryngoscopy and Rhynoscopy.*
P. V. CARLIN, M. D., *Demonstrator of Anatomy.*
-

Junior Preparatory Department.

MARTIN E. FRANKS, Principal.

—————, *7th and 8th Grades.*

MAMIE E. DAWSON, *5th and 6th Grades.*

JENNIE E. FISH, *3d and 4th Grades.*

SARAH F. MEGRUE, *1st and 2d Grades.*

ASSISTANTS.

FRANCES A. SHATTUCK.

KATE BARTLETT.

MAMIE F. MILLS.

SUBSTITUTES.

KATE MITCHELL.

MARY MEGRUE.

II.

CURRICULA.

1. REGULAR COURSES.

CLASSICAL COURSE—Preparatory.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
1. Latin Grammar and Lessons. Algebra. Physical Geography.	1. Cæsar, I Book. Geometry. Ancient History.	1. Cicero, Six Select Orations. Higher Algebra. Greek Grammar and Lessons.	1. Vergil, III, IV, V, VI, Books. Anabasis, I and II Books. Physics.
2. Latin Grammar and Lessons. Algebra. Physiology.	2. Cæsar, II and III Books. Geometry. Mediæval and Modern History.	2. Vergil, I Book. Higher Algebra. Greek Grammar and Lessons.	2. Latin Composition. Anabasis III, and Iliad, I Book. Physics.
3. Latin Reader. Algebra. Botany.	3. Cæsar, IV Book, and Cicero I Oration against Catiline. Plane Trigonometry. Rhetoric.—Hart.	3. Vergil, II Book. Solid Geometry. Anabasis begun.	3. Greek and Roman Antiquities. Iliad, II, III, IV Books. Physics.

Fortnightly examinations throughout the course in English and American Literature, and stated Rhetorical Exercises.

CLASSICAL COURSE—Collegiate.

FRESHMAN.	SOPHOMORE.	JUNIOR.	SENIOR.
1. Livy. Spherical Trigonometry and Surveying. Chemistry.	1. Horace—Satires and Epistles. Juvenal. Analytical Geometry. Plato's Apology, Crito and Phaedo.	1. French. Psychology. Geology.	1. German. Moral Philosophy. Christian Evidences. Political Economy.
2. Boise and Freeman's Greek Selections. Horace—Odes. Chemistry.	2. Tacitus—Germania. Cicero—De Senectute. Mechanics. Demosthenes' Philippics and Olynthiacs.	2. French. Psychology. Geology and Mineralogy—Laboratory.	2. German. Logic. Political Economy.
3. Odyssey. Greek Composition. (3) Rhetoric. Chemistry. (2)	3. Tusculan Disputations. Terence. Mechanics. Euripides—Medea. Aristophanes—Clouds.	3. Anglo-Saxon. Astronomy. Geology and Mineralogy—Laboratory.	3. German. Logic. English Literature.

Courses of Reading throughout the course, and throughout Sophomore year special readings in Greek and Roman Literature.

LITERARY COURSE—Preparatory.

FIRST YEAR	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
1. Latin Grammar and Lessons. Algebra. Physical Geography.	1. Cæsar, I Book. Geometry. Ancient History.	1. Cicero, six Select Orations. Higher Algebra. German Grammar.	1. Vergil, III, IV, V, VI, Books. Surveying and Spherical Trigonometry. Physics.
2. Latin Grammar and Lessons. Algebra. Physiology.	2. Cæsar, II and III Books. Geometry. Mediæval and Modern History.	2. Vergil, I Book. Higher Algebra. German Reader.	2. Latin Prose Composition. Elementary Astronomy. Physics.
3. Latin Reader. Algebra. Botany.	3. Cæsar, IV Book, and Cicero, I Oratio against Catiline. Plane Trigonometry. Rhetoric—Hart.	3. Vergil, II Book. Solid Geometry. German Reader.	3. Greek and Roman Antiquities. Elementary Geology. Physics.

Fortnightly Examinations throughout the course in English and American Literature; and stated Rhetorical Exercises.

LITERARY COURSE—Collegiate.

CURRICULA.

13

FRESHMAN.	SOPHOMORE.	JUNIOR.	SENIOR.
1. Livy. Chemistry. French.	1. Whitney's German Grammar and Composition. Masson's French Classics. Geology.	1. Anglo-Saxon. German Drama. Psychology.	1. Moral Philosophy. Christian Evidences. Political Economy.
2. German Prose Selections. Chemistry. French.	2. German Tragedies, French Drama. Geology and Mineralogy.	2. Early English. German Literature. Psychology.	2. Modern History. Logic. Political Economy.
3. Course in Scientific German. Chemistry. (2) Rhetoric. French. (3)	3. Selections from German Poets, with original Compositions. Anglo-Saxon. Geology and Mineralogy.	3. English Literature. German Literature. Astronomy.	3. Modern History. Logic. French Literature.

Courses of Reading throughout the course, in English and American Literature and stated Rhetorical Exercises.

SCIENTIFIC COURSE—Preparatory

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
1. Algebra. Physical Geography. French or Spanish Grammar.	1. Geometry. Zoology. German or Latin Grammar.	1. Higher Algebra. Ancient History. French, Charles XII; or Spanish Reader.	1. Spherical Trigonometry and Surveying. Physics. Chemistry.
2. Algebra. Physiology. French or Spanish Grammar.	2. Geometry. Constitution of the United States. German or Latin Reader.	2. Higher Algebra. Mediaeval and Modern History. German Prose, or Latin.	2. Elementary Astronomy. Physics. Chemistry.
3. Algebra. Botany. French or Spanish Reader.	3. Plane Trigonometry. Review U. S. History German or Latin Reader.	3. Solid Geometry. Rhetoric—Hart. Hodges' Course in Scientific German	3. Elementary Geology. Physics. Chemistry.

Fortnightly examinations throughout the course in English and American Literature, and stated Rhetorical Exercises.

SCIENTIFIC COURSE—Collegiate.

FRESHMAN.	SOPHOMORE.	JUNIOR.	SENIOR.
1. Analytical Geometry. Physical Laboratory. Chemical Laboratory.	1. Differential Calculus. Physical or Chemical Laboratory. Whitney's German Grammar and Composition.	1. Analytical Mechanics. Geology. Masson's French Classics.	1. Psychology. Moral Philosophy, Christian Evidences, Political Economy.
2. Mechanics. Physical Laboratory. Chemical Laboratory.	2. Integral Calculus. Constitutional Law. (3) Free-hand Drawing. (2) German Tragedies.	2. Mathematical Astronomy. Geology and Mineralogy. French Drama.	2. Psychology. Logic. Political Economy.
3. Mechanics. Physical Laboratory. Chemical Laboratory.	3. Astronomy. Rhetoric. (3) Free-hand Drawing. (2) Selections from German Poets with original Compositions.	3. Anglo-Saxon. Geology, Mineralogy and Laboratory. English Literature.	3. Logic. Theses. Natural Science Review.

Courses of Reading in English and American Literature throughout the course, and stated Rhetorical Exercises.

MINING ENGINEER COURSE—Preparatory.

THIS COURSE IS THE SAME AS THE PREPARATORY SCIENTIFIC.

MINING ENGINEER COURSE—Collegiate.

CURRICULA.

17

FRESHMAN.	SOPHOMORE.	JUNIOR.	SENIOR.
1. Physics—Lectures on Heat, Electricity and Physical Manipulation. Chemistry—Lectures on Chemical Manipulation. French and German—Advanced. Drawing—Free-hand, Architectural and Engineering.	1. Analytical Geometry. Chemistry—Inorganic, Quantitative Analysis. Physiology, Zoology. Drawing—Topographical Tinting and Grading, Problems in Graphics.	1. Differential Calculus. Lectures on Metallurgy and Chemistry. Geology. Drawing—Graphical Statics.	1. Analytical Mechanics. Analysis of Gangue. Applied and Industrial Chemistry.
2. Physics—Laboratory Work. Chemistry—Laboratory Work. German or Spanish. Drawing—Use of Instruments, Lettering, Mechanical Drawing, Projections, Intersections and Developments.	2. Mechanics. Chemical Laboratory—Quantitative Analysis. German or Spanish. Drawing—Problems in Graphics.	2. Integral Calculus. Crystallography and Determinative Mineralogy. Strength of Materials.	2. Mathematical Astronomy. Lithology. Ore Dressing—Treatment of Refractory Ores.
3. Physics—Laboratory. Chemistry—Laboratory. German or Spanish.	3. Mechanics Blow Pipe Analysis. Mineralogy. Descriptive Drawing, Construction, Machines, Furnaces.	3. Astronomy. Assaying—Fire and Wet Methods. Mining Engineering. Ore Dressing.	3. Time devoted to visiting Mines, for the purpose of study and preparation of Thesis.

Courses of Reading in English and American Literature throughout the course, and stated Rhetorical Exercises.

2. SPECIAL COURSES,

Special Courses leading to graduation, are as follows:

I.—MUSIC. See pp. 19 to 20.

II.—FINE ARTS. See pp. 21 to 22.

III.—BUSINESS. See pp. 23 to 27.

IV.—NORMAL. See p. 28.

V.—MEDICAL. See pp. 29 to 32.

SELECTED STUDIES.

Students not wishing to pursue any of the regular courses will be assisted by the Faculty to select from the current studies such as will be most valuable; and remaining not less than a year in the University and accomplishing their work satisfactorily, will receive an official certificate of proficiency.

SEMINARY DIPLOMAS

Are awarded to the students who complete any of the regular Collegiate Preparatory Courses, as given on pages 10, 12, 14 and 16. If circumstances prevent their further advancement, they have the satisfaction of knowing that they have accomplished a course equal to that of the best fitting-school or high-school of the land.

COLLEGE OF MUSIC.

REMARKS ON THE COURSE.

FOR BACHELOR OF MUSIC.

It is not within the scope of this circular to lay down the precise course of instruction pursued in this institution, except in the most general way, as, in all cases, the talent and application of the individual will have to determine that.

The rudimentary instruction will be most thorough, comprising correct position of body and manner of holding the hands and fingers, as well as other essentials. Standard works of reference will be used, adapted to the present capacity of the pupil. Daily drill in scale practice and general finger training, until the execution is developed for technical studies of a higher order, such, for example, as Stephen Heller's; in due time the more difficult studies of Heller, Cramer, Chopin, etc., interspersed with specimens of classic and modern writers of acknowledged excellence. At all times it will be the aim of the teacher to pursue a course which will prevent the student from becoming one-sided and unduly prejudiced; above all, however, from becoming the victim of a passing perversion of taste.

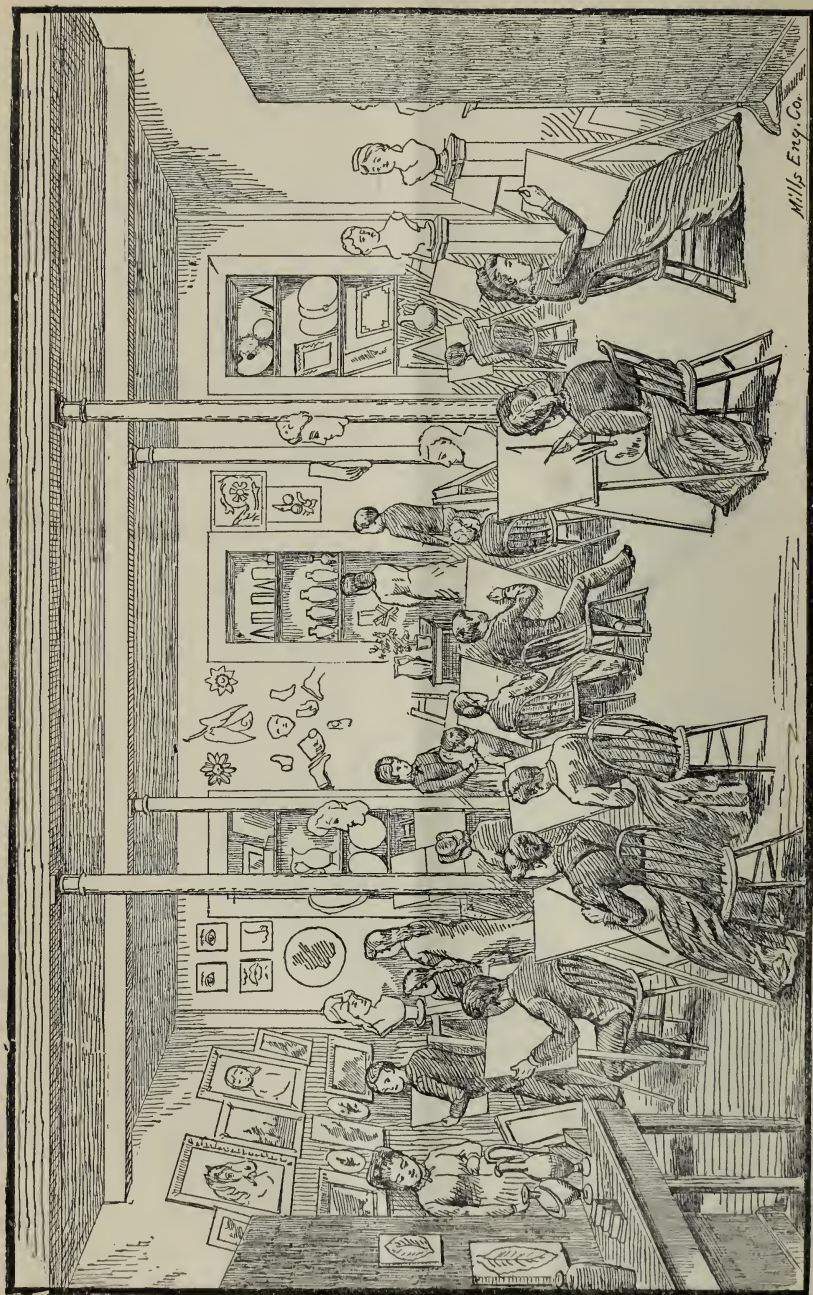
While it is the intention of this department to furnish facilities for the study of various instruments, such as Violin, Flute, Guitar, etc., the study of Piano and Voice, being more generally available and applicable, on them will be concentrated the highest ability and energy of the department.

Any person having spent at least two years in this College, having completed the technical course above outlined, or its equivalent, and having finished here or elsewhere either of the regular preparatory courses, or their equivalent, as given on pages 10, 12, 14 and 16, will be entitled to the diploma of the University constituting him Bachelor of Music.

To give a general idea of the scope of reading, a programme of the latest Musical Recital given by the pupils of the Piano Department is subjoined.

**SEVENTH REGULAR INSTRUMENTAL CONCERT OF THE
COLLEGE OF MUSIC OF DENVER UNIVERSITY.**

-
- 1 Wotan's Farewell and Magic Fire Scene from Die Walkuere...*R. Wagner*
MISS LILLIE WARREN, MR. O. MAYO.
 - 2 The Ride of the Valkyries, for two pianos, arr. by Liszt..... *R. Wagner*
MISS MARY WENTWORTH, MISS IDA KENNEDY.
 - 3 Gipsy Dance.....*Meyerbeer*
MISS LILLIE WARREN.
 - 4 Grand Fugue in G Minor..... *Bach-Liszt*
MISS IDA KENNEDY.
 - 5 Overture—Midsummernight's Dream *Mendelssohn*
MISS MAMIE WENTWORTH, MISS GERTRUDE HILL.
 - 6 Scherzo—Midsummernight's Dream.....*Mendelssohn*
MISS IDA KENNEDY, MISS MAMIE WENTWORTH.
 - 7 Introduction—Wedding March—3d Act Lohengrin.....*R. Wagner*
MISS MARY EWING, MR. O. MAYO.
 - 8 Spinning Song from The Flying Dutchman.....*Wagner-Liszt*
MISS GERTRUDE HILL.
 - 9 Overture—Der Freischuetz.....*C. M. von Weber*
MISS MARY MEGRUE, MISS LIZZIE KENDALL.
 - 10 Waldes Rauschen.....*Liszt*
MISS MARY WENTWORTH.
 - 11 Gallop Chromatic *Liszt*
MISS IDA KENNEDY.



Mills Eng. Co.

THE ART DEPARTMENT—STUDIO

FINE ARTS.

BACHELOR OF PAINTING COURSE.

The technical work done in the Maryland Institute School of Art and Design, Baltimore, is the model in this department. In addition thereto, there will be at least two recitations per day in related branches, including modern languages, mathematics, natural science and belles-lettres. The time required for the completion of this course and obtaining the degree of Bachelor of Painting will depend upon the talent and application of the student. Besides this technical work, in order to receive the diploma and degree of Bachelor of Painting from the University, the student must have spent at least two years in this College, and accomplished the equivalent of any one of the regular preparatory courses given on pages 10, 12, 14 and 16.

The studio is supplied with designs and antique casts by Fureschi; and the work is done by the most thorough and advanced methods.

A furnace for burning decorated China—the gift of Mrs. Gov. Evans and Mrs. Frank Church—adds greatly to the efficiency of the department.

Arrangements have been made to add a large number of new designs, and otherwise promote the efficiency of this very popular and flourishing department of the University.

WOOD CARVING.

This popular form of decorative art has been added, and the work done has been alike creditable to the teacher and

class. It is a species of art destined to command increasing attention, and to open to women new fields of delightful and remunerative employment. The University makes this one of the prominent and attractive features of the Department of Fine Arts.

Expenses—See page 47.

BUSINESS COLLEGE.

This Department, although instituted but one year ago has educated a number of bright and efficient accountants, who are either occupying lucrative positions with good houses, or are engaged in mercantile business on their own account. The attendance and the general satisfaction manifested by the students, give good promise of a large school the coming year. We believe our system in this department is equal to that of any in the land, either East or West, and we intend that no effort shall be lacking to make our College the most efficient possible for preparing young ladies and gentlemen for the active duties of a business life.

The studies taken up in this Department are: Business Arithmetic, Spelling, Business Correspondence, Commercial Law, Penmanship, Business Forms, Finance, Theoretical Book-keeping, Actual Business and Practical Book-keeping, with lectures on how to conduct business successfully; how to make collections; manner of opening and closing a set of books for others; of shipping; of making remittances, and manner of dealing with banks.

The Business Department is under the management of Prof. Robert J. Wallace, a practical business man and accountant, who has had years' of experience in business colleges.

Students of the Business College can, during their course, take one or more studies outside of the business course, without additional charge, by making application to enter a class in one of the other departments of the University.

TIME.

Parties who have no reputation to be affected, advertise to make students proficient book-keepers in thirty days, but we need not assure any thoughtful person that they promise impossibilities.

It is evident to every sensible person that to keep books accurately in the hurry and bustle of business, and to make out papers that hold parties responsible for thousands of dollars, a person must be thoroughly conversant with books and with the laws that govern business paper, and have sufficient practice to write them without confusion of thought, or some day he will make a slip which will cost him much more money than he would have to pay for a few months' schooling. It is also evident that this cannot be accomplished in a few weeks. We will take students for any length of time they wish to attend, and give them all the instructions they will get anywhere in the time, but we will not graduate any who are not thoroughly equipped, not only for keeping books, but to do business intelligently and safely. We believe the reputation of our institution demands this, and it is due those who wish to be thorough that we should give diplomas to none others.

The length of time for a thorough course depends upon the previous advantages the student has had, and his natural ability; the time usually taken, however, is from four to six months.

Students can enter at any time with equal advantages.

BOOK-KEEPING AND BUSINESS.

A large, well-lighted, well-ventilated and well-heated hall is assigned to the students in Business and Book-keeping, containing bank, emporium and freight office, with other necessary furniture. The student first enters the JUNIOR

DEPARTMENT, being instructed in the rudiments of Book-keeping, from which he passes to the SENIOR DEPARTMENT, where the more difficult and practical part of Book-keeping is taught, together with business papers, such as notes, drafts, bank drafts for remittances, checks, receipts, bills of sale, mortgages, deeds, bonds, contracts, etc., etc. While in the Senior Department, students buy and sell from and to each other; deposit in the bank; give and receive cash and checks; make out statements of accounts and collect from each other; endorse checks, making entries for such transactions; close the ledger, etc.; all under the immediate supervision of the teacher. When their work is satisfactorily done, they are passed to the ACTUAL BUSINESS DEPARTMENT. Here they are furnished with capital for going into business in which they keep their own accounts, using, with other auxiliary books, check book, order book, draft book, bank deposit book, bill book, receiving book, etc.; ship through freight office, receive goods through same; pay freight on expense bills; make drafts on customers, and collect same through bank; have notes collected by bank; receive warranty deeds for real estate; give quit claim deeds; receive lease on warehouse rented; have same transferred to other parties; make written contracts; write and receive letters and telegrams; buy out other parties in business; sell out business; burn out; and in each business in which they engage, close books and effect settlement with all parties. In these transactions, the student uses the same blanks for papers that are used in real business, and books, similar to those used by business men; have bank bills, somewhat similar to those in general use; and representation of all property handled.

EXAMINATIONS.

Every set is examined, percentage given for same, and no student is permitted to pass to another set until his work is

entitled to 85 per cent. Examinations are held twice each week, both oral and written; and any student can enter the one following the examination he has passed as soon as he is passed for it; so that apt scholars are not retarded by dull ones, but can pass through as rapidly as they are able. Ninety per cent. is required to pass in an examination. The examinations consist in examination on Accounts, on Statements, on Closing Ledger, on Journalizing, on Books, on Single Shipments, on Joint Shipments, on Arithmetic, on Commercial Law, on Penmanship, on Book-keeping and on Business Correspondence.

PENMANSHIP.

We teach no flourishing, and so waste none of the student's time. We teach the Spencerian System, as used in business. Our teacher of Penmanship has had five years' experience in Business Colleges, and is a first-class penman.

We have copy-books ruled specially for the work, and the daily copies are written on the blackboard and analyzed.

TELEGRAPHY.

We have separate offices in which the students operate, so that the work is as practical as if each was a thousand miles from the other. Our teacher for this branch is a practical operator.

STENOGRAPHY.

We have been more than usually successful the past year in preparing ladies and gentlemen for short-hand reporting. There is a good and growing demand for practical stenographers, with better inducements in the way of large salaries than in almost any other branch of business.

The success of the past year is sufficient warranty of the ability of the teacher, who is a short-hand reporter in the Courts.

BUSINESS CORRESPONDENCE.

We believe it to be of primary importance that the student should receive a thorough drill in business correspondence, for two reasons: 1st—It teaches the student more about business matters and the manner of doing business well and safely—as a large number of business letters are contracts—than can be taught in any other way. 2d—The most lucrative positions are open to good business correspondents.

Lectures are delivered weekly on this subject. A subject for a business letter is given and the manner of treating it discussed, and then left to the students to write upon. These letters are opened and read to the school, without names, for criticism by both teacher and scholars, after which a model letter on the same subject is placed on the black-board, thus affording the students a valuable list of model letters to study and for future aid.

LECTURES.

Two, and sometimes three, lectures are delivered every week, and students are expected to take copious notes, that they may prepare themselves for examination on the subjects under discussion.

TUITION, PAYABLE IN ADVANCE.

Full Course, [5 months].....	\$50 00
Book-keeping, Correspondence, Commercial	
Law, Business Paper and Finance, [5 months]	40 00
Penmanship, [4 months].....	20 00
Book-keeping—Theoretical, [3 months].....	25 00
Telegraphy.....	[Teachers' Rates.]
Stenography.....	“ “

NORMAL DEPARTMENT.

We are receiving an increasing number of applications for teachers and from students for special preparation for teaching. We have therefore prepared a Normal course of one year, including :

- *Methods in Arithmetic.*
- Methods in Grammar.*
- Methods in Geography.*
- Methods in History.*
- School Management.*
- Art of Teaching.*
- Oral Methods.*

These classes will be conducted by teachers who are thoroughly familiar with Normal Methods. We recommend this department to the attention of those who desire to qualify themselves for teaching. Certificates will be given to those who complete this work.



Mills Eng. Co.

THE SCIENTIFIC DEPARTMENT—CHEMICAL LABORATORY.

COLLEGE OF MEDICINE.

The College of Medicine has been organized to give thorough and practical training to the students in medicine and has prosperously completed the second year of its history. The faculty follow the graded course as recommended by the American Medical Association, and adopted by the leading colleges.

The curriculum embraces three consecutive annual courses of lectures, extending from the first Wednesday in October to the last Wednesday in March, as follows:

FIRST YEAR—JUNIOR.

Anatomy,
Physiology,
Histology.

Materia Medica,
General Chemistry,

SECOND YEAR—MIDDLE.

Anatomy,
Diseases Genito-Urinary Organs,
General Pathology and Pathological
Anatomy,
Therapeutics.

Nervous and Mental Diseases,
Medical Jurisprudence,
Hygiene,
Medical Chemistry,

THIRD YEAR—SENIOR.

Theory and Practice of Medicine,
Clinical Medicine,
Principles and Practice of Surgery,
Clinical Surgery,
Ophthalmotology,
Otology,
Laryngoscopy,

Medical and Surgical Diseases of
Women,
Clinical Gynæcology,
Obstetrics,
Diseases of Children,
Physical Diagnosis.

While the faculty earnestly recommend students to follow out the graded course system, they do not make it obligatory, and have arranged the lectures of the different courses so as not to conflict with each other. Students are expected to attend all the lectures in the course to which their class belongs. Attendance upon other lectures optional.

REQUIREMENTS FOR ADMISSION.

All applicants for admission as matriculates must pass a thorough examination in English composition, handwriting, grammar, arithmetic, natural philosophy and rudiments of Latin. The degree of A. B., a diploma from any high school, or a certificate of proficiency in the above named branches from a reputable teacher of such school, will be received in lieu of examination. These examinations will be held on the first Tuesday in October and the following days of that week.

Applications for advanced standing will be examined at the same time by the Professors of such chairs as they desire to pass.

Expenses—See page 47.

SPECIAL OFFER TO STUDENTS OF MEDICINE.

Upon payment of matriculation and term fees to the Medical College, students will be admitted to any of the regular classes of the University—tuition free.

GRADUATES, 1882.

CAMPBELL, JAMES O.,
DEBEQUE, WALLACE A. E.,
JOHNSON, ABIJAH,

CARLIN, PATRICK V.,
ELLIOTT, GEORGE H.,

GRADUATES, 1883.

ALBERS, U. L.,
GIBBS, S. E.,
SMEALIE, W. G.,

ARBOGAST, B. A.
INGRAHAM, G. W.,

JUNIOR PREPARATORY DEP'T.

This department has been organized at the earnest petition of many of our patrons resident in Denver, and is specially, although not exclusively, designed for day scholars. The work done covers the first eight years of school-work, but pupils are promoted from grade to grade whenever their proficiency justifies it. Health is regarded as of paramount importance, and no pupil overtaxed. Due attention given to manners. The discipline is firm and intelligent. Pupils not amenable to our government, or of questionable moral influence, will be excluded. Through the liberality of the friends of the University, this department has been supplied with a separate building, erected on the University grounds, especially adapted to its requirements. The rooms are 27x33; the facilities for light, heat and ventilation, all that could be desired.

TEXT BOOKS—Readers, Independent series; Writing Books, Payson & Dunton's series; Spelling Blanks, Dinsmore's; Geographies, Eclectic series; Grammars, Swinton's and Greene's; Arithmetics, White's, Stoddard's Mental; U. S. History, Barnes'.

The Professors of the University, recognizing the importance of this department as preparatory to Academic work, render it every assistance in their power, greatly to the advantage of the students. Vocal music and pencil-drawing, a part of the regular work.

The success of this department has been remarkable. The work, combining as it does the careful grading and thorough instruction of the public school with the evident

advantages of the private school, commends itself to parents, and has resulted in a patronage so liberal that the new building became an imperative necessity. With facilities so greatly enlarged, we confidently expect our grade work to be more and more satisfactory.

III.

MISCELLANEOUS
INFORMATION.

MISCELLANEOUS INFORMATION.

DENVER.

This city is the Damascus of the West. Its beauty is the wonder of all who see it. Its intelligence is in proportion to its marvelous growth. Its churches are ably supplied and its schools are second to none in the country. Music and the Fine Arts are widely cultivated. Colorado is the health resort of America; many thousands come here annually. The University offers to young people, who cannot endure other climates, educational advantages equal to those of the best Eastern Colleges.

LOCATION.

The location, southwest corner Fourteenth and Arapahoe, is within two squares of the center of the city, in a very attractive residence neighborhood, on a plateau commanding a magnificent view of the foot-hills and the snowy range of the Rocky Mountains.

BUILDINGS.

The building consists of a central structure with two wings, showing a frontage of 125 feet, a depth of 100 feet, and an average height of four stories; and of a separate structure, 35x68, two stories and a basement.

The south wing is exclusively for ladies. The rooms are large, cheerful and well furnished. Each has a register for steam-heating, bath room privileges, etc. Two students occupy a room. The parlors and dining-hall are located in this wing; and the recitation rooms and chapel are so situated as to be accessible to the young ladies without exposure to sun or storm.

The private rooms of the gentlemen are in the north wing, and are very comfortable and attractive. Here also are six recitation rooms, and the assembly hall, 55 by 43 feet.

The central building is used almost exclusively for school work. On the first floor are the Library and Art Gallery; on the second, the Chemical Lecture Room, Physical Laboratory, Lathe Room, Language Department and Crary Cabinet; on the third, the Assay and Chemical Laboratories. The separate spacious building is used exclusively for school-rooms—27x33—for the Junior Preparatory Department.

RHETORICALS AND LITERARY SOCIETIES.

Special attention is given to English composition and public-speaking. The demands in the formal study of Rhetoric and Literature are supplemented by stated exercises in the University Chapel, in the presence of the faculty and the students. The advanced students have two flourishing literary societies, the Alcyone and the Phi Alpha, which meet once a fortnight for literary, forensic, routine, and parliamentary drill.

THE DEPARTMENT OF NATURAL SCIENCE.

From the beginning it has been the aim of the University to give that prominence to this department which the development of a new and mining state demands.

An examination of our courses of study, as compared with those of other institutions, will show the unusual provision we have made for this work.

The wise liberality of Ex-Gov. Evans enabled us to provide ample illustrative apparatus for chemistry and physics, and thoroughly equipped laboratories for practical work in these studies and in assaying.

Under Prof. Short's superintendence the department has outgrown our teaching force, and we have secured for the Chair of Chemistry and Geology, William A. Headden, A.M., Ph.D., who will enter upon his duties in September.

Prof. Short will now be free to devote his energies to the department of physics. His chair will be, we trust, the beginning of a polytechnic school of the University, a consummation to which his ambition and our needs alike point.

Thus furnished with teachers and appliances, the University offers rare advantages to students wishing to make a specialty of the more practical of the natural sciences.

LABORATORIES—APPARATUS.

Incidental mention has already been made of the Laboratories. There are three, thoroughly equipped; one for Assaying; one for Chemistry; one for Physics.

The apparatus is ample, and from the best makers in Europe and America. The following sketch of the work actually done in the Laboratories will indicate the facilities for instruction:

PHYSICAL LABORATORY WORK.

The laboratory work consists of accurate determination of Nature's Constants by the students, in which they are drilled in the use of instruments for exact measurement, and made acquainted with the most approved methods of investigation in physical measurement; also taught where to look for sources of error, estimate personal equation, and test the value of their results by calculating the probable error. Much of this work of necessity covers the same ground that has been gone over for the purpose of learning *how* to do the work; but considerable time is given to original investigation; planing and constructing apparatus for obtaining particular results, also calculating and deducing formula for such results. This work is accompanied

by weekly lectures on new methods and means of investigation. The apparatus for this part of the work is constructed for the purpose of original investigation, and is very accurately made—consequently expensive. It is necessary to have apparatus for this class of work on which one can rely for exact measurements, as pieces which can be used for illustration are utterly worthless for this purpose. No work so stimulates the student as that in which he discovers some new truth, and thus adds something to the stock of the scientific knowledge of to-day; and it is one aim of this department to subserve this purpose. Again, exact measurement and estimation of probable error furnish a kind of training that can be obtained in no other way. The best apparatus has been secured to accomplish this end. For example, Melloni's heat apparatus, as used by Professor Tyndall in his investigations in radiant heat; large chronograph, by Konig; Helmholtz's syren; a large spectroscope—arc (graduated on silver) made by Browning, of London—this piece was made especially for the laboratory of the University of Denver; fine spectrometer; apparatus for determining the co-efficient of expansion of solids; several galvanometer and resistance coils, etc., for electrical measurements, manufactured by Elliot Bros., London; Lissijou's apparatus for studying musical intervals; also, a complete set of meteorological apparatus. We expect to add new pieces to our stock as the necessity of the work requires.

The following is a scheme of the work for the two years' college course in this department:

First Year,.....*First Term*,.....Preliminary Work in Physical Measurements
and Taking Notes.

Second Term,.....Heat.

Third Term,.....Heat and Sound.

Second Year,...*First Term*,.....Light.

Second Term,.....Light and Electricity.

Third Term,.....Electricity.

Extra work can be done in the laboratory in the third year, if the student wishes to elect such work for original investigation.

CHEMICAL LABORATORY WORK.

Two years are spent in the chemical laboratory, which is fitted to meet the requirements of good analytical work. Each pupil is provided desk-room, re-agent bottles, a balance (Becker's), spectroscope, and will have access to the reference chemical library. The work of this department acquaints the student with methods of qualitative and quantitative analysis, and enables him to conduct independent investigation.

The following is a scheme of the laboratory work:

First Year,.....QUALITATIVE ANALYSIS.

*First Term,.....*Analysis in the dry way.

*Second Term,....*Analysis of ordinary acids and bases in the wet way.

*Third Term,.....*Analysis in the wet way completed.

Second Year,...QUANTITATIVE ANALYSIS.

LIBRARY.

There is an encouraging beginning. The Rev. I. H. Beardsley has undertaken to fill an alcove with five hundred volumes, in memory of his deceased son. Others have made very considerable donations, and many others have contributed from one to five volumes. The Alcyone Literary Society has determined to fill an alcove, and have made an encouraging beginning. We shall be greatly obliged for gifts of standard works. Who will name an alcove of poetry? Who one of classic prose? Who one of physical science?

Mrs. Rev. B. H. Vincent, so intimately connected with early Methodism in Colorado, has generously engaged to secure an alcove of polite literature. The many friends she claims, in her own and her husband's right, will please send

their gifts of money or books, for the Vincent alcove to Prof. O. B. Super, Librarian, Denver, Colorado. The Phi Alpha Literary Society are collecting a valuable library for the use of their members.

THE CRARY CABINET.

The University has in the Crary Cabinet the nucleus of a very valuable collection for illustrating the sciences of Geology and Mineralogy. Nearly all of the more important minerals are represented by characteristic specimens, and very many of the less common are also found in the collection. It is especially full in the minerals of Colorado, and having many duplicates, the range of specimens will be constantly increased by judicious exchanges.

A specially valuable feature of the collection is the department of ores, in which a large number of representative specimens, from leading Colorado mines, are incorporated. The suite pertaining to the mines of Leadville is particularly complete, and was donated by Mr. Gilbert L. Havens.

A considerable number of typical fossils are also contained in the collection, principally from the paleozoic and tertiary rocks.

DISCIPLINE.

The University is under the auspices of the Colorado Conference of the Methodist Episcopal Church. Its management is thoroughly Christian, but in nowise sectarian.

All the students are required to attend some church at least once on Sunday, and morning worship on school-days in their respective departments. The boarding students will attend family worship every evening, and will be encouraged to attend the students' prayer-meetings.

Nothing unreasonable will be required of the students, and no requirement suffered to be neglected or disregarded. Parents who do not wish their children governed, and young people unwilling to submit to the regulations of the Univer-

sity, *are frankly advised that this is not the place for them.* There can be no satisfactory progress without a cordial agreement between the faculty and the students, and this will only be possible where the latter give themselves cheerfully and wholly to their legitimate work. Hence, the order of the day will be study. Recreation will not be ignored, but kept to its proper place.

It will be impossible to enumerate all the features of government, but especial attention is called to the following:

STUDENTS BOARDING IN THE CITY

Will be amenable to the general regulations while in and about the University buildings.

Loitering in the halls or on the grounds during study hours will be treated as a misdemeanor. Students are expected to be at their homes or in the class rooms or study hall of the University. Special permission is required for visiting the students' rooms.

Such deportment as becomes *ladies* and *gentlemen* will be constantly and everywhere expected. Smoking, drinking and card-playing, the use of improper language and frequenting places of questionable resort must be avoided.

Offenses against the rules of the University, or neglect of study, will lead, first, to private admonition; second, to notification of parents, and, finally, to suspension or expulsion.

STUDENTS BOARDING IN THE UNIVERSITY.

Promptness in reporting for study, recitation, worship, meals, etc., will be required.

Neatness in person and room will be expected. Students occupying rooms will be responsible for their care and order. All damages to rooms or furniture will be assessed equally upon the occupants, and all rooms will be held subject to inspection by the University officers at pleasure.

Politeness and *courtesy* will be inculcated and exacted. At the table and in the receptions, it will be the constant aim to respect the laws of good breeding.

Students are due in their rooms or classes during study hours. Leave of absence and all permission must be secured from the proper officers at specified times.

Both sexes meet, with the freedom of a well-regulated family, at meals and in the ordinary school duties. The ladies, and the gentlemen's halls are separate, and each is wholly free from intrusion.

The tables are generously supplied with wholesome and well prepared food. Each is presided over by a professor. The chancellor and his family and most of the professors reside in the University buildings, eat at the same tables with the students, whose college life they make as safe pleasant and home-like as possible.

The health of the students is carefully considered in all the arrangements and regulations of the University. In case of sickness, the best care is taken of the patient. If the illness is such as to require the services of a nurse, one will be secured, the actual expense being charged to the student. Parents will be promptly notified. Oftentimes students are made sick by partaking excessively of the tempting contents of boxes from home, so that parents who really desire the health of their children will do well to send only fruits; anything beyond this is superfluous and injurious.

Each student should bring a pair of blankets, six towels, six napkins, a napkin ring, Bible and dictionary. All articles to be laundered must be marked plainly with the owner's full name.

EXTRA CHARGES TO BOARDERS.

Meals sent or taken to room, 15 cents each. Late meals, 15 cents each. Lunches, according to contents. Special dishes, not on the bill of fare, according to the order.

The allowance of washing is ample, but, so far as apparel is concerned, includes only *plain pieces of underwear*. It is optional with the laundry whether any other kind will be received; but if received, they will in every case be extra.

CO-EDUCATION.

During the present decade the doors of the leading institutions have been thrown open to women. The propriety and advantages of this are no longer questioned. The influence of the sexes upon each other is refining and wholesome. The problem of discipline is shorn of its greatest difficulties. Nature's order is wisely followed, and with the best of results. Our experience here for three years confirms the opinions of leading educators as to the wisdom, economy and general advantages of this system. We do not forget our duties toward inexperienced youth; nor omit anything demanded by considerations of prudence. Yet the mingling of the sexes, as in a well-ordered household, makes the work of government as light and simple as possible, and the relations of teachers and students exceptionally pleasant.

EXTRACT FROM REPORT OF BOARD OF EXAMINERS, 1882.

Your Committee, appointed to visit the Denver University, have performed the duty assigned, and have made, from time to time, such inspection and examination of the building and internal workings of the University as our opportunities would permit.

We find that the additional wing to the building, which was in course of construction a year ago, with some other improvements, including a well-laid pavement in front of

the house, has been completed, and that nothing essential to health or comfort has been omitted. The building is admirably adapted to University purposes, large and commodious, with clean, cheerful rooms for students and boarders, with bath rooms—in every way well furnished. The recitation rooms, the laboratories for physics, chemistry and assaying, the mineral cabinet, etc., are all complete and quite well adapted to the purposes for which they were designed.

We were permitted to witness the closing exercises of the University, which commenced on the 10th and ended on the 14th of June. We find that 321 students have been in attendance during the year. The examinations in the various departments of instruction gave proof of the ability and efficiency of the faculty, and of satisfactory progress on the part of the students.

In the curriculum we find the Scientific, the Mining and Engineering, and the Classical Courses included, and that nothing is wanting in any of these essential to the completion of a thorough and systematic education. The high standard adopted by the University, the force of teachers employed, and the abundance of illustrative apparatus, together with the ample laboratory facilities, are all such as to insure to the diligent students the mastery of all the branches of study pursued in Universities of a high grade.

We were present also at the Second Annual Concert of the College of Music, which occurred during the regular commencement exercises, under the supervision of Prof. Blanpied. The course of instruction in this department is thorough and of the highest grade. Such has been the progress of the College of Music during the year past, as to require the services of an assistant teacher. The students have the advantages of a special course in sound, in which

they are taught the theory of sound in relation to music. The apparatus for experimental work in sound, in connection with a course of lectures by the Professor of Physics, in which the theory of musical instruments is discussed, furnishes a most harmonious and logical course of practical and theoretical instruction in music.

Among the most pleasant features of our examination work was a visit to the Art Rooms, which are under the supervision of Miss DeSteiguer. The College of Fine Arts, which includes lessons in drawing or penciling, from "flat" examples of lines, figures, leaves and vases, up to life studies and sketches and oil paintings, is conducted according to the most thorough and advanced methods.

It is known, but deserves mention by us at this time, that a Junior Preparatory Department has been organized and put in successful operation for the accommodation of such pupils as desire to prepare themselves for academic work.

Too much can scarcely be said in commendation of the general management and wise discipline of the University.

PRICE LIST.

ACADEMIC DEPARTMENT.

By the term, in advance.	Boarding Students. See pages 48, 49.	DAY STUDENTS.				
		College Classes.	College Pr'parat'ry.	8th and 7th Grades.	6th, 5th, 4th Grades.	2d and 1st Grades.
Due Sept. 6.	\$161 20	\$40 00	\$32 00	\$24 00	\$20 00	\$16 00
Due Jan. 3	128 60	32 50	26 00	19 50	16 25	13 00
Due Apr. 1.	110 20	27 50	22 00	16 50	13 75	11 00
Total,	400 00	\$100 00	\$80 00	\$60 00	\$50 00	\$40 00

If paid by the year in advance, a reduction of 10 per cent. is made. Day-scholars taking ornamental branches are allowed special rates. A liberal discount is made to the children of all clergymen who have charge of Congregations.

Vacation Charges: Per Day..... \$1 00

MUSIC DEPARTMENT.

By the quarter of ten weeks, two half hour lessons per week, in advance:

Vocal or Piano..... \$20 00

Pipe Organ, Academic.. 25 00

Harmony, Counterpoint and Composition, in
classes, one lesson per week..... 5 00

Chorus practice free to regular students in music; to others, three dollars per quarter.

Use of Piano for practice, two practice hours per day, six dollars per quarter.

FINE ARTS DEPARTMENT.

For quarter of ten weeks, two lessons per week, payable in advance:

Pencil Drawing	\$10 00
Perspective	10 00
Crayon Drawing	12 50
Water or Oil Colors.....	12 50
China Painting.....	15 00
Wood Carving	20 00

By the single lesson, 75 cents, \$1.00 and \$1.20.

COMMERCIAL DEPARTMENT.

Terms: Payable in advance.

Full course (5 months)	\$50 00
Book-keeping, Correspondence, Commercial Law, Business Paper and Finance (5 mos.)	40 00
Penmanship (4 months)	20 00
Book-keeping—Theoretical (3 months).....	25 00
Telegraphy (Teacher's Rates.)	
Stenography “ “	

MEDICAL DEPARTMENT.

All Fees are payable in advance.

Matriculation	\$ 5 00
Lecture fees for the full course.....	75 00
Admission to the dissection room.....	5 00
Material, at cost.	
Graduation	30 00

Alumni of the University can attend the lectures by matriculating, and of other regular medical colleges, by payment of the matriculation and one-half the regular fees.

Students who have already attended two full courses of lectures at regular medical schools, the last of which shall have been at this school, are admitted to the third term course of lectures, on payment of one-half the regular fees.

A WORD AS TO THE COST TO BOARDING STUDENTS.

Four hundred dollars a school year seems high when compared with the prices in other institutions. It costs more to attend the University, simply because the student receives more. By adopting the dormitory system, retrenching the table supplies, decreasing the number of domestics, employing low-priced teachers, and generally lowering the standard, the particulars enumerated above could be furnished at \$300 per year. But we will not lower our standard; and, therefore, must charge enough to cover cost. We provide our students handsomely furnished rooms, a generous table, the comforts and elegancies of a well-appointed home, and thoroughly competent instructors; and our rates barely meet the expense.

The cost to boarding-students is calculated upon the basis of payment by the term in advance. Bills must invariably be settled when the student enters, either by cash, or by note, with interest at 10 per cent. added in advance to the principal. Where payment is made by the year in advance, a reduction of 10 per cent. is allowed.

The four hundred dollars pay for a year's tuition, a furnished room (two in a room), heat, light, plain washing, table board, forty lessons in any one ornamental branch, and the use of the piano one practice hour per day. N.B.—If lessons in ornamental branches in excess of the allowance are taken, they will be extra, and charged according to schedule of prices, pages 46 and 47.

OUTSIDE BOARDERS.

What is the very cheapest plan for attending the University? Let two students rent a room, five to ten dollars a month, furnish it from home, and board themselves. In this way the cost can be reduced to the minimum. It will

soon be possible to introduce the co-operative plan in boarding, by the forming of clubs, etc., which will give better living for scarcely more than the cost of boarding one's self.

Furnished rooms, plain but respectable, can be secured in the vicinity of the University for seven to fifteen dollars per month. The cheapest endurable table-board is four dollars per week. Officers of the University will cheerfully assist in making arrangements for non-resident students.

GENERAL.

Are there special rates to two or more students from the same family?

Yes; ten per cent. discount.

If the student lose time, will a corresponding reduction in cost be made?

If the loss is the first or the last three weeks of the term, or if it is occasioned by social or business convenience, no. But if it is on account of serious and protracted illness, the student will be entitled to a drawback for half of the time lost, *on the bill of the next succeeding term.*

Can a student enter for less than one term?

A student can enter at any time for the remainder of the current term, but not for a less period without special arrangement with the authorities at the time of entering. *In either case the tuition will be twenty per cent. higher than the regular rates.*

For information not given by the foregoing pages, address definite inquiries to the Chancellor, or to Prof. O. B. Super, Secretary of the Faculty.

TEXT AND REFERENCE BOOKS,

FOR THE LITERARY DEPARTMENT.

History.—Swinton's Outlines of the World's History; Dickens's English History; Greene's Short History English People; Lingard; Froude; Anderson's Series; Smith; Grote; Leighton's History of Rome.

Rhetoric.—Hart, Hill, Haven, Whately.

English Literature.—Brooke's Primer, Swinton, Morley & Tyler, Tayne, Royse.

Political Economy.—Fawcett, Mill, Walker.

Mental Philosophy.—Upham, Haven, McCosh, Porter, Hamilton.

Logic.—Thomson, Jevons, Hamilton, Mill, McCosh.

Constitution United States.—Alden, Andrews, Kent, Webster's Orations, Steven's History Rebellion.

Ethics.—Bascom, Haven.

Christian Evidences.—Hopkins, Barnes, Butler, Alexander.

History Philosophy.—Ueberweg.

Latin, Preparatory.—Latin Lessons, Allen & Greenough's Latin Grammar, Cæsar, Cicero's Orations, Virgil, Latin Prose.

Latin, Collegiate.—Livy, Horace, Juvenal, Tacitus, Germania and Agricola, Cicero's Tusculan Disputations: Chase & Stuart.

Greek, Preparatory.—Greek Lessons, White; Grammar, Goodwin; Anabasis, Goodwin; Homer's Iliad, Boise; Greek Prose, Jones.

Greek, Collegiate.—Herodotus, Thucydides and Odyssey, Boise & Freeman's Selections; Plato's Apology and Crito, Wagner; Demosthenes, Tyler; Aristophanes, Felton & Goodwin; Medea, Allen.

German.—Grammar, Otis and Whitney; Reader, Boisen.

French.—Grammar and Reader, Ahn.

Spanish.—Ollendorff's Grammar; Tolon's Reader.

Mathematics and Astronomy.—Wentworth's Elements of Algebra; Wentworth's Elements of Plane and Solid Geometry; Well's University Algebra; Wentworth's Elements of Plane and Spherical Trigonometry; Newcomb's Logarithmic Tables; Davies' Elements of Surveying and Leveling; Bowser's Elementary Treatise on Analytic Geometry; Wood's Principles of Elementary Mechanics; Woods Analytical Mechanics; Bowser's Elementary Treatise on the Differential and Integral Calculus; Lockyer's Elementary Astronomy; Newcomb & Holden's Astronomy; Chauvenet's Spherical and Practical Astronomy; Oppolzer's Lehrbuch zur Bahnbestimmung der Kometen und Planeten.

Physics, Text Books.—Deschanel's Elementary Physics; Pickering's Physical Manipulations.

Physics, Reference Books.—Tyndal's Light, Heat, Electricity, Sound; Thomson & Tait's Natural Philosophy; Spottiswoode on Polarization of Light; Jamin's Cours de Physique; Wullner's Course in Physics; Balfour Stewart on Heat; Kohlrausch's Physical Measurements; Clark & Sabin's Electrical Measurements; Rood's Modern Chromatics; Lockyer's Spectrum Analysis.

Chemistry.—Norton's Elementary Inorganic Chemistry; Wheeler's Organic Chemistry.

Laboratory Work.—Fresenius' Qualitative and Quantitative Chemical Analysis; Galloway's Chemical Analysis; Beilstein's Qualitative Chemical Analysis; Thorpe's Quantitative Analysis.

Reference Books.—Watt's Dictionary of Chemistry; Payne's Industrial Chemistry; the American Chemist; Roscoe & Scholemmer's Chemistry; Taylor on Poisons; Rose's Quantitative Chemical Analysis.

Geology and Mineralogy.—Dana's Manual of Geology; Dana's Mineralogy; Wheeler's Determinative Mineralogy; Rickett's Assaying.

Botany.—Gray's Manual.

ACKNOWLEDGMENTS,

Donations to Crary Cabinet have been received from:

Rev. Dr. Crary, San Francisco, Cala.

Mr. Tingley Wood, Manager Silver Cord, Leadville. (Very valuable.)

Mr. Orson Wolcott, Leadville.

Rev. Dr. Cranston, Denver.

Capt. W. P. Gray and Col. S. W. Fisher, Denver. (Very valuable.)

Rev. F. C. Millington, Denver.

Mr. F. W. Anthony, Denver.

Mr. Wm. Alkire, Denver.

Rev. C. A. Brooks, Silver Cliff.

Rev. S. W. Thornton, Central City.

Capt. Richard Smith, Central City.

Mr. Harry G. Shuck, Central City.

Mr. John Collum, Golden. (Very valuable.)

Capt. Wm. Light, Arvada. (Very valuable.)

O. H. Koyl, Fort Collins.

Mr. Thomas Q. Williams, Silver Plume.

CALENDAR,

1883-84.

First Term: Sept. 5 to Dec. 20, 1883.

Christmas Vacation: Dec. 21, 1883, to Jan. 3, 1884.

Second Term: Jan. 4 to March 31, 1884.

Spring Vacation: April 1 to April 7, 1884.

Third Term: April 8 to June 18, 1884.

COLLEGE OF MEDICINE.

Regular Lecture Course: Oct. 1, 1883, to March 26, 1884.

Examination of Matriculates: Oct. 2 to 5, 1883.

Commencement: March 27, 1884, 8 p.m.

JUNIOR PREPARATORY DEPARTMENT.

Examinations: June 11 to 13.

Exhibition: Friday, June 13, 2 p.m.

COLORADO SEMINARY.

Examinations: Fourth Year, June 12.

Third Year, June 13, 16 and 17.

Second Year, June 13, 16 and 17.

First Year, June 13, 16 and 17.

Commencement Exercises: Friday, June 13th, 8 p.m.

UNIVERSITY COMMENCEMENT WEEK.

Baccalaureate Sermon: Sunday, June 15th, 11 a. m.

Examinations: June 13, 16 and 17.

Senior Examinations: June 12.

Exhibition College of Music: Monday, June 16th, 8 p. m.

Exhibition Fine Arts Department: Monday, June 16th,
to Wednesday, June 18th; all day.

Literary Exercises by Collegians: Tuesday, June 17, 8 p. m.

Annual Meeting Board of Trustees: Wednesday, June 18,
2 p. m.

Commencement Exercises: Wednesday, June 18th, 8 p. m.

IV.

CATALOGUE
OF STUDENTS.

1882-83.

NAMES.	Residence.	Class.	Business.	Music.	Art.
Abrams, Dietrich.....	Laramie, Wy. T.....	Junior Preparatory..	.....	Instrumental.....	W. C.....
Aiken, James N.....	Denver.....	.....	Business Course..	.....	.....
Albers, U. L.....	Colorado.....	Medical.....	.....	.....	.....
Alkire, John.....	Denver.....	Colleg. Preparatory..	.....	.....	.....
Alkire, Ida.....	Denver.....	Special.....	.....	.....	.....
Alkire, William.....	Denver.....	Special.....	.....	.....	.....
Allen, Oren.....	Denver.....	Colleg. Preparatory..	.....	.....	.....
Ammond, E. M.....	Denver.....	.....	Stenography.....	.....	.....
Anderson, Belle.....	Nathrop.....	Special.....	.....	Vocal.....	.....
Anderson, Thomas.....	Denver.....	Junior Preparatory..	.....	.....	.....
Anderson, William.....	Denver.....	Junior Preparatory..	.....	.....	.....
Anderson, Mary.....	Denver.....	Junior Preparatory..	.....	.....	.....
Anderson, Ida.....	Denver.....	Junior Preparatory..	.....	.....	.....
Anthony, A. W.....	Denver.....	Junior Preparatory..	Business Course..	.....	.....
Arbogast, R. A.....	Colorado.....	Medical.....	.....	.....	.....
Armour, Miss.....	Denver.....	.....	.....	Instrumental.....	.....
Armstrong, Ethel.....	Denver.....	Junior Preparatory..	.....	.....	.....
August, A. J., Jr.....	Lawson.....	.....	Business Course..	.....	O. P. and C.....
Avery, Carrie.....	Denver.....	.....	.....	.....	.....
Ayres, Joseph H.....	Arapahoe County..	Junior Preparatory..	.....	.....	.....
Burwell, Carrie.....	Newton, Kas.....	Special.....	.....	Instrumental.....	.....
Burwell, Lollie.....	Newton, Kas.....	Special.....	Business Course..	.....	.....
Butler, Nellie.....	Denver.....	Junior Preparatory..	.....	.....	.....
Baker, Mary J.....	Denver.....	Junior Preparatory..	.....	.....	.....

Baker, John.....	Denver.....	Junior Preparatory..	.....	.....	.....
Baker, Webb.....	Denver.....	Junior Preparatory..	.....	.....	.....
Bartlett, Kate.....	Canon City.....	Special.....	.....	Vocal.....	P. D.....
Barclay, George.....	Denver.....	Junior Preparatory..	.....	.....	.....
Bartholomew, Delia.....	Denver.....	Junior Preparatory..	.....	.....	.....
Batchelder, Harriet.....	Niwot.....	Special.....	.....	Instrumental.....	P. D.....
Bates, Joseph.....	Denver.....	Junior Preparatory..	.....	.....	.....
Bates, Benjamin.....	Denver.....	Junior Preparatory..	.....	.....	.....
Beardsley, Clara.....	Denver.....	Special.....	.....	Vocal.....	.....
Beck, Ella.....	Denver.....	Special.....	.....	.....	O. P.....
Beebe, Mrs. C. C.....	Denver.....	Special.....	.....	.....	O. P.....
Benkelman, Chas. J.....	Denver.....	Junior Preparatory..	.....	.....	.....
Benkelman, Harry J.....	Denver.....	Junior Preparatory..	.....	.....	.....
Bilbie, Hester.....	Arapahoe County..	Special.....	.....	.....	.....
Bjornsen, A. Swein.....	Colorado.....	Medical.....	.....	.....	.....
Blake, G. B.....	Louisiana.....	Medical.....	.....	.....	.....
Bohm, Mary.....	Denver.....	Junior Preparatory..	.....	.....	.....
Bowers, William.....	Denver.....	Junior Preparatory..	.....	.....	.....
Boyer, Fred.....	Denver.....	Junior Preparatory..	.....	.....	.....
Bradford, William.....	Denver.....	Junior Preparatory..	.....	.....	.....
Brockre, Eugenie.....	Denver.....	Junior Preparatory..	.....	.....	.....
Brockre, Alphonse.....	Denver.....	Junior Preparatory..	.....	Instrumental.....	.....
Brown, Grace.....	Denver.....	Special.....	.....	Business Course.....	.....
Brown, Bettie.....	Trinidad.....	Special.....	.....	.....	.....
Brush, Wesley L.....	Greeley.....	Junior Preparatory..	.....	Inst'l and Vocal.....	P. D.....
Bryant, Grace J.....	Denver.....	Junior Preparatory..	.....	.....	.....

NAMES.	Residence.	Class.	Business.	Music.	Art.
Burnham, Ada.....	Louisville, Ky.	Special .....	.....	.....	P. D. and O. P.
Cady, Wm. J.	Lamont, Mich.	Special .....	.....	Instrumental .....	.....
Campbell, Susie.....	Leadville	Special .....	.....	Vocal .....	.....
Carpenter, Mary.....	Golden	Colleg. Preparatory .....	.....	Instrumental .....	.....
Carroll, Daisy.....	Denver	Special	Business Course .....	.....	.....
Chamberlain, Fred. J.	Oswego, N. Y.	Special .....	.....	.....	.....
Chapman, E. S.	Denver	Special	Business Course .....	.....	.....
Chatfield, Elmer E.	Leadville	Colleg. Preparatory	Book-keeping	Instrumental .....	.....
Christian, Thos. B.	Colorado	Medical .....	.....	.....	.....
Church, Mrs. Frank.....	Denver	Special .....	.....	.....	O. P. and W. C.
Clark, George.....	Denver	Colleg. Preparatory .....	.....	.....	.....
Clark, Gage.....	Chicago, Ills.....	Junior Preparatory .....	.....	.....	.....
Clark, S. Luella.....	Denver	Special	Business Course .....	.....	.....
Clinton, Minnie.....	Denver	Special	Stenography .....	.....	.....
Collins, Marion.....	Denver	Special .....	.....	Instrumental .....	.....
Connor, A. T.	Denver	Special	Business Course .....	.....	.....
Cook, Frank J.	Denver	Junior Preparatory .....	.....	.....	.....
Cook, Jas. Monroe.....	Denver	Junior Preparatory .....	.....	.....	.....
Corbett, Emma.....	Ouray	Junior Preparatory .....	.....	Instrumental .....	.....
Cory, Fannie.....	Denver	Junior Preparatory .....	.....	.....	.....
Cowden, Celia.....	Denver	Colleg. Preparatory .....	.....	.....	.....
Craig, Mamie.....	Denver	Special .....	.....	Instrumental.....	.....
Cranston, E. M.....	Denver	Sophomore .....	.....	.....	.....
Creek, Stella.....	Durango.....	Junior Preparatory .....	.....	Inst'l and Vocal.....	P. D.

Creswell, W. W.	Kokomo	Special	Business Course	
Culbertson, Minnie	Denver	Junior Preparatory		
Cunningham, Eugene	Denver	Special	Business Course	
Curtis, Hattie	Denver	Junior Preparatory		
Curtis, Kittie	Denver	Junior Preparatory		
Curtis, Cora M.	Denver	Junior Preparatory		
Davis, Maud	Denver	Special	Vocal	
Davidson, Alice	Denver	Junior Preparatory	Instrumental	
Dawson, Mrs. T. F.	Denver	Special		Charcoal
Dell, Bertha	Buffalo Creek	Colleg. Preparatory	Inst'l and Vocal	
Dell, Lena	Buffalo Creek	Junior Preparatory	Instrumental	
Dobson, Lena	Denver	Special	Stenography	
Dobson, Edwin	Denver	Special	Book-keeping	
Downing, S. N. A.	Colorado	Medical		
Dreifuss, Morris	Pennsylvania	Colleg. Preparatory	Instrumental	
Dundas, Mrs.	Platteville	Special	Instrumental	
Durbin, E.	Colorado	Medical		
Ebert, Alfred G.	Denver	Sophomore		
Eckhart, Georgia	Denver	Junior Preparatory		
Eckhart, Bessie	Denver	Junior Preparatory		
Eckhart, Earl	Denver	Junior Preparatory		
Eicholtz, Nelsine	Denver	Special		
Eicholtz, Leonard	Denver	Junior Preparatory		
Elkenberry, John	Plumtree Creek, Ind	Special	Business Course	
Ellsworth, Daniel	Denver	Special		W. C.
Elmer, E. C.	Denver	Special	Business Course	

NAMES.	Residence.	Class.	Business.	Music.	Art.
Eubank, George H.....	Arapahoe County ..	Special .....	.....	.....	.....
Eubank, Minerva.....	Arapahoe County ..	Special .....	.....	.....	.....
Evans, Mrs. J. A.....	Denver.....	Special .....	.....	.....	W. C.....
Evans, Mrs. Dr. W. D....	Denver.....	Special .....	.....	.....	P. D. and O. P.
Evans, Annie.....	Denver.....	Special .....	.....	.....	P. D.....
Ewing, Mary.....	Fort Lupton.....	Junior Preparatory..	.....	Instrumental.....	.....
Fairchild, Emma.....	Denver.....	Junior Preparatory..	.....	.....	.....
Faux, Ida.....	Denver.....	Special .....	.....	.....	O. P.....
Feickert, Minnie.....	Brooklyn, N. Y.....	Special .....	.....	.....	.....
Ferson, Mrs. C. P.....	Denver.....	Special .....	.....	.....	P. D. and O. P.
Fillmore, Jennie.....	Laramie City, Wy. T..	Special	Business Course ..	Instrumental.....	.....
Fillmore, May.....	Laramie City, Wy. T..	Special	Business Course ..	Instrumental.....	.....
Fleming, Charles.....	Arapahoe County ..	Junior Preparatory..	.....	.....	.....
Fleming, Porter.....	Arapahoe County ..	Junior Preparatory..	.....	.....	.....
Fleming, Richard.....	Arapahoe County ..	Junior Preparatory..	.....	.....	.....
Fletcher, L. C.....	Mendon, Mich.....	Special .....	.....	.....	.....
Ford, Jennie.....	Denver.....	Special	Business Course ..	.....	.....
French, Charles H.....	Denver.....	Junior Preparatory..	.....	.....	O. P.....
Frick, Emma.....	Denver.....	Junior Preparatory..	.....	.....	.....
Gano, M. W.....	Denver.....	Special	Business Course ..	.....	.....
Gavarsky, Edwin.....	Denver.....	Junior Preparatory..	.....	.....	.....
George, O. H.....	Nebraska.....	Special	Business Course ..	.....	.....
Gibbs, S. E.....	Colorado	Medical .....	.....	.....	.....
Gibson, G. H.....	Colorado	Medical .....	.....	.....	.....

Gill, Clinton.....	Breckenridge.....	Junior Preparatory..	.....	.....	Charcoal.....
Gilmore, Julia.....	Denver.....	Junior Preparatory..	.....	Instrumental.....	.....
Goddig, T. F.....	Longmont.....	Colleg. Preparatory..	.....	Book-keeping.....	.....
Goodridge, Mrs. Henry..	Denver.....	Special.....	.....	.....	O. P.....
Goodridge, Carrie.....	Denver.....	Special.....	.....	Business Course..	.....
Gorton, Bingham.....	Denver.....	Junior Preparatory..	.....	.....	.....
Grant, Mrs. Agnes.....	Colorado.....	Medical.....	.....	.....	.....
Gray, Horace.....	Denver.....	Junior Preparatory..	.....	.....	.....
Green, Edward B.....	Denver.....	Special.....	.....	.....	.....
Griffith, Edward M.....	Denver.....	Special.....	.....	.....	.....
Gugolz, E. S.....	Georgetown.....	Special.....	.....	.....	.....
Haines, Beach.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hall, Charles L.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hall, Mrs. Frank.....	Chicago, Ills.....	Special.....	.....	.....	W. C.....
Halthusen, Nicholas.....	Colorado Springs.....	Junior Preparatory..	.....	Instrumental.....	.....
Hammit, Alvina.....	Platteville.....	Special.....	.....	.....	.....
Haman, Flora.....	Russell Gulch.....	Junior Preparatory..	.....	Vocal.....	.....
Hangs, F. J.....	Denver.....	Freshman.....	.....	.....	Charcoal.....
Hanna, Jessie.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hard, Mrs. F. J.....	Denver.....	Special.....	.....	.....	Crayon.....
Hartman, Wm.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hastings, Minnie V.....	Denver.....	Special.....	.....	.....	.....
Hays, Charles.....	Denver.....	Colleg. Preparatory..	.....	Business Course..	.....
Hays, Harry.....	Denver.....	Colleg. Preparatory..	.....	.....	.....
Hays, Walter.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hays, Nellie S.....	Denver.....	Junior Preparatory..	.....	.....	.....

NAMES.	Residence.	Class.	Business.	Music.	Art.
Hays, Arthur.....	Denver.....	Junior Preparatory..	.....	.....	.....
Helmbrecht, Henry.....	Leadville.....	Junior Preparatory..	.....	.....	.....
Henderson, George.....	Denver.....	Special.....	Business Course..	.....	.....
Henry, William.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hepner, E. W.....	Leadville.....	Special.....	Business Course..	.....	.....
Hibbard, Myron.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hibbard, Mary.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hibbard, Anna B.....	Denver.....	Junior Preparatory..	.....	.....	.....
Higgins, Carrie.....	Denver.....	Special.....	.....	.....	.....
Hikes, Annie G.....	Louisville, Ky.....	Special.....	.....	.....	P. D. and O. P.
Hill, Josie B.....	Leadville.....	Junior Preparatory..	.....	Instrumental.....	.....
Hill, Gertrude.....	Denver.....	Colleg. Preparatory..	.....	Instrumental.....	.....
Hills, W. W.....	Colorado.....	Medical.....	.....	.....	.....
Hindry, Willis.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hipp, John.....	Monument.....	Junior Class.....	.....	.....	Charcoal.....
Hoffman, I.....	Denver.....	Special.....	Business Course..	.....	.....
Holley, Emma.....	Denver.....	Junior Preparatory..	.....	.....	.....
Horn, Mrs. Dr. T. G.....	Colorado Springs...	Special.....	.....	.....	W. C.....
Horn, Lelia.....	Colorado Springs...	Junior Preparatory..	.....	Instrumental.....	P. D.....
Houghan, Frank.....	Denver.....	Special.....	.....	.....	O. P.....
Hoyt, Stella.....	Denver.....	Junior Preparatory..	.....	.....	.....
Hussey, Kate.....	Denver.....	Colleg Preparatory..	.....	.....	C. P.....
Hutchinson, W. L.....	Morrison.....	Special.....	.....	.....	.....
Ingraham, G. W.....	New York.....	Medical.....	Book-keeping.....	.....	.....

Jackson, Nettie	Durango.....	Junior Preparatory..	.....	Inst'l and Vocal..	O. P.
Jackson, Martha	Denver	Junior Preparatory..	.....	.....	.....
Jackson, Mary	Denver	Junior Preparatory..	.....	.....	.....
Jackson, George	Denver	Junior Preparatory..	.....	Instrumental.....	.....
James, Ella.....	Central City	Junior Preparatory..	.....	.....	.....
James, Harry	Denver	Junior Preparatory..	.....	.....	.....
Jeffery, Jennie	Denver	Junior Preparatory..	.....	Instrumental.....	.....
Jeffery, Mary.....	Denver	Junior Preparatory..	.....	.....	.....
Jenks, E. A.	Colorado	Medical .....	.....	.....	.....
Jerome, Irene	Chicago, Ills.	Special .....	.....	.....	W. C.
Johnson, Richard..	Denver	Junior Preparatory..	.....	.....	.....
Johnson, Clifford ..	Denver	Junior Preparatory..	.....	.....	O. P.
Johnson, Evalyn.....	Colorado Springs..	Special .....	.....	.....	.....
Jones, Morton.....	Denver	Colleg. Preparatory..	.....	.....	.....
Jones, Ralph.....	Denver	Junior Preparatory..	.....	.....	.....
Jones, Irma	Denver	Junior Preparatory..	.....	.....	P. D. and Cr..
Jones, Grace B.....	Pueblo	Special .....	.....	.....	.....
Kamm, H. R.	Leadville	Special	Business Course ..	.....	.....
Keener, Nettie	Denver	Junior Preparatory..	.....	Instrumental.....	P. D.
Kelley, Mrs. E. D.....	Denver... ..	Special .....	.....	.....	O. P.
Kelley, J. P., M.D.....	Colorado	Medical .....	.....	.....	.....
Kelsey, Helen J.	Denver.....	Junior Preparatory..	.....	.....	.....
Kendall, Elizabeth.....	Kalamazoo, Mich....	Colleg. Preparatory..	.....	.....	Charcoal
Kendall, Mary	Kalamazoo, Mich....	Colleg. Preparatory..	.....	Instrumental.....	.....
Kendrick, Decima	Denver	Special .....	.....	Instrumental.....	.....
Kennedy, Ida	Denver.....	Special .....	.....	Instrumental.....	.....

NAMES.	Residence.	Class.	Business.	Music.	Art.
Kennedy, Arthur	Denver	Colleg. Preparatory.	.....	.....	.....
Kinkade, Lilian	Denver	Special	Business Course.	.....	.....
Kirby, Sadie	Denver	Special .....	.....	.....	Charcoal.....
Korfage, Wellington	Arapahoe County...	Junior Preparatory..	.....	.....	.....
Lenhart, Minnie	Trinidad	Junior Preparatory..	.....	Instrumental	.....
Lemon, Albert	Denver	Junior Preparatory..	.....	.....	.....
Lewis, Mary	Arapahoe County ..	Junior Preparatory..	.....	.....	.....
Lewis, Annie	Arapahoe County ..	Junior Preparatory..	.....	.....	.....
Lewis, Nettie	Arapahoe County ..	Junior Preparatory..	.....	.....	.....
Liddell, Daniel S	Denver	Junior Preparatory..	.....	.....	.....
Light, Ella	Arvada	Junior Preparatory..	.....	Instrumental	.....
Lines, Nettie	Platteville	Junior Preparatory..	.....	.....	.....
Lipe, Cora	Denver	Special .....	.....	.....	O. P.
Loomis, Algra	Central Park	Junior Preparatory..	.....	.....	.....
Loomis, Elbert	Central Park	Junior Preparatory..	.....	.....	.....
Loomis, Mary	Central Park	Junior Preparatory..	.....	.....	.....
Lynch, Harry	Denver	Junior Preparatory..	.....	.....	.....
Lynch, Robert	Denver	Junior Preparatory..	.....	.....	.....
Mace, Kate	Denver	Special	Stenography .....	.....	.....
Mack, John	Leadville	Junior Preparatory..	.....	.....	.....
Macon, William P	Denver	Freshman .....	.....	.....	Charcoal.....
Manly, George	Denver	Sophomore .....	.....	.....	.....
Manly, Charles	Denver	Colleg. Preparatory.	.....	.....	.....
Manly, Robert	Denver	Junior Preparatory..	.....	.....	.....

Martin, C. P.	Colorado	Medical	.....	.....	.....
Maxwell, Jno. H.	Pueblo	Colleg. Preparatory.	.....	.....	.....
Mayo, Elgin	Denver	Junior Preparatory..	.....	.....	.....
Mayo, Oscar	Denver	Junior Preparatory..	.....	.....	.....
Megrue, Mrs. Sarah F.	Denver	Special	.....	.....	Charcoal.....
Megrue, Mary	Denver	Colleg. Preparatory.	.....	Instrumental	.....
Meyer, Ida	Cincinnati, O.	Junior Preparatory..	.....	Instrumental	Charcoal.....
Mills, Mary	Denver	Special	.....	.....	Charcoal.....
Mills, Charles	Denver	Junior Preparatory..	.....	.....	W. C.
Miller, Maud	Denver	Junior Preparatory..	.....	Instrumental	.....
Miller, W. C.	Denver	Junior Preparatory..	.....	.....	.....
Millington, Frank C.	Denver	Freshman.....	.....	.....	.....
Millington, Sarah	Denver	Junior Preparatory..	.....	.....	.....
Mitchell, Kate H.	Trinidad	Special	.....	Inst'l and Vocal.	.....
Moncrieff, J. O.	Denver	Special	.....	.....	.....
Moore, William A.	Denver	Sophomore	.....	Business Course.	.....
Moore, Alfred T.	Denver	Colleg. Preparatory.	.....	Book-keeping	.....
Moore, Amy	Denver	Junior Preparatory..	.....	.....	.....
Morris, Edith	Leadville	Junior Preparatory..	.....	Instrumental	.....
Morris, Jessie	Leadville	Junior Preparatory..	.....	.....	.....
Morton, Virginia	Denver	Special	.....	.....	O. P.
Morton, F. H.	Massachusetts	Medical	.....	.....	.....
Moschel, Conrad C.	Denver	Special	.....	Business Course.	.....
McCartney, Fred. W.	Denver	Special	.....	Business Course.	.....
McCarthy, Kate	Denver	Junior Preparatory..	.....	.....	.....
McCracken, Robert	Denver	Junior Preparatory..	.....	Instrumental	.....

NAMES.	Residence.	Class.	Business.	Music.	Art.
McCullough, Mrs. George	Denver	Special			P. D. and O. P.
McCutcheon, Wm. R.	Colorado	Medical			
McDonald, Maud	Denver	Junior Preparatory.			
McKay, Anna	Denver	Junior Preparatory.			
McLaughlin, Edward C.	Denver	Special			
Nast, Martha	Brooklyn, N. Y.	Special			W. C.
Newton, Harry E.	Pueblo	Special	Book-keeping	Instrumental	
Officer, Helen	Denver	Freshman			
Oswald, Nellie	Denver	Junior Preparatory.			
Oswald, Robert	Denver	Junior Preparatory.			
Oswald, Logan	Denver	Junior Preparatory.			
Owen, Ella	Denver	Special		Instrumental	
Pease, Mary	Cheyenne, W. T.	Special			P. D.
Peavey, Josephine	Denver	Special			
Peck, Clyde	Denver	Junior Preparatory.			
Pennock, Carrie J.	Longmont	Special			
Phelps, Idelle	Denver	Junior Preparatory.		Instrumental	
Phillips, William	Denver	Junior Preparatory.			
Pierson, Mary	Chicago, Ills	Special			
Pierson, Pearl	Denver	Junior Preparatory.			
Pinkney, Jennie	Denver	Junior Preparatory.			Charcoal
Powers, William	Chicago, Ills.	Special			
Price, Lutie	Denver	Colleg Preparatory.		Instrumental	
Pultz, Charles	Denver	Junior Preparatory.			

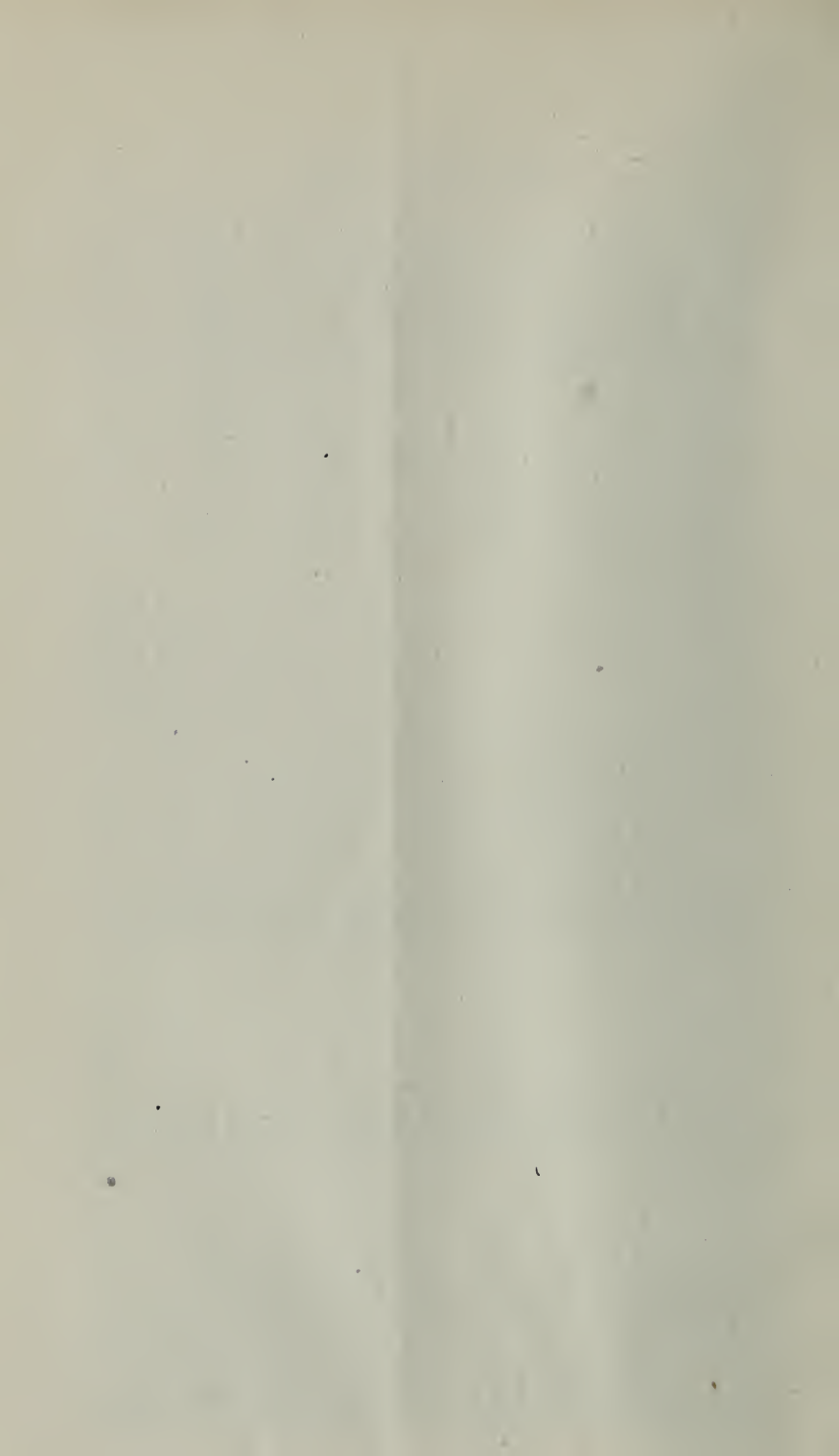
Raney, Josephine.....	Platteville	Junior Preparatory..	.....	Instrumental.....	.....
Randolph, Lulu	Denver.....	Colleg. Preparatory.	.....	.....	.....
Reck, Kate	Divide.....	Special	Business Course ..	.....	.....
Reigert, Clara W.....	Denver	Junior Preparatory..	.....	.....	.....
Reigert, Jennie M.....	Denver	Junior Preparatory..	.....	.....	.....
Reynolds, Carrie	Denver	Junior Preparatory..	.....	.....	.....
Rice, Lewis.....	Denver.....	Junior Preparatory..	.....	.....	.....
Rice, Eugene.....	Denver.....	Junior Preparatory..	.....	.....	Charcoal.....
Richardson, Elbert G.....	Argo.....	Colleg. Preparatory.	.....	.....	.....
Riethman, Lewis.....	Denver	Junior Preparatory..	.....	.....	.....
Riley, John.....	Denver	Junior Preparatory..	.....	Instrumental.....	.....
Root, Bessie.....	Denver	Junior Preparatory..	.....	Instrumental.....	.....
Ruble, Ethra.....	Denver	Special .....	.....	.....	.....
Rundle, William.....	Denver	Junior Preparatory..	.....	.....	.....
Russell, James H.....	Leadville	Special	Business Course ..	.....	O. P.....
Southard, Mrs. L. B.....	Denver	Special .....	.....	.....	.....
Spencer, Charles.....	Denver	Junior Preparatory..	.....	.....	O. P.....
Spencer, Mamie	Melbourne, Australia	Special .....	.....	Vocal	O. P., C., W. C.
Stamp, Mrs. M. J.....	Denver	Special	Business Course ..	.....	.....
Steenbach, F. W.....	Denver	Special .....	.....	.....	.....
Stern, Clara.....	Denver	Special .....	.....	.....	.....
Stery, William C.....	Denver	Junior Preparatory..	.....	.....	.....
Stickle, Charles.....	Denver	Special	Business Course ..	.....	.....
Stickle, Nellie.....	Denver	Colleg. Preparatory.	.....	.....	.....
Slockett, Fred.....	Denver	Junior Preparatory..	.....	.....	.....
Stocks, John	Bald Mountain	Special	Business Course ..	.....	.....

NAMES.	Residence.	Class.	Business.	Music.	Art.
Stocks, Elizabeth	Bald Mountain	Special .....	.....	.....	.....
Stokes, Mary	Boulder	Special .....	.....	Vocal .....	.....
Sullivan, John	Denver	Special	Business Course..	.....	.....
Swarthout, Burton	Denver	Special .....	.....	.....	W. C.
Salomon, Florence	Denver	Special .....	.....	.....	.....
Salomon, Jessie	Denver	Junior Preparatory..	.....	.....	.....
Sampson, Greta	Denver	Special .....	.....	.....	P. D. and O. P.
Sanford, Albert B.	Denver	Special .....	.....	.....	.....
Sanger, George	Chicago, Ills.	Junior Preparatory..	.....	.....	.....
Sanger, John	Chicago, Ills.	Junior Preparatory..	.....	.....	.....
Sargent, C. H.	Denver	Special	Business Course..	.....	.....
Saunders, Mamie M.	Omaha, Neb.	Special .....	.....	.....	O. P.
Sayre, Edgar	Denver	Junior Preparatory..	.....	.....	.....
Schroter, S. H.	Colorado	Medical .....	.....	.....	.....
Sechrist, Albert	Denver	Freshman .....	.....	.....	Charcoal.....
Sewall, G. B.	Summerfield, Ill. ...	Special	Business Course..	.....	.....
Sharp, W. F.	Colorado	Medical .....	.....	.....	.....
Shattuck, Frances	Greeley	Special .....	.....	Instrumental.....	.....
Shepard, Ora	Denver	Junior Preparatory..	.....	.....	.....
Shepherd, E. W.	Denver	Junior Preparatory..	.....	.....	.....
Sherart, Zalmon	Denver	Colleg. Preparatory..	.....	Instrumental.....	.....
Shumway, J. L.	Denver	Special	Business Course..	.....	.....
Singletary, Dora	Streetsborough, O. ...	Special .....	.....	.....	W. C.
Skinner, Anna	Denver	Colleg. Preparatory..	.....	Instrumental.....	P. D. and O. P.

Slaymaker, E.	Denver	Special	Business Course	.....
Smeallie, W. G.	New York	Medical	.....	.....
Smiley, Helen	Denver	Colleg. Preparatory.	.....	.....
Smiley, George	Denver	Junior Preparatory.	.....	.....
Smith, Thurston	Denver	Junior Preparatory.	.....	.....
Smith, Ella	Leadville	Junior Preparatory.	.....	Instrumental
Smith, Rose C.	Denver	Special	.....	Instrumental
Smith, Maud	Arapahoe County	Junior Preparatory.	.....	Instrumental
Snyder, Charles	Cheyenne, Wy. T.	Junior Preparatory.	.....	Instrumental
Snyder, Laura	Cheyenne, Wy. T.	Junior Preparatory.	.....	Instrumental
Tankersley, Ellery	Denver	Junior Preparatory.	.....	.....
Tankersley, Lydia	Denver	Junior Preparatory.	.....	.....
Tankersley, Eugene	Denver	Junior Preparatory.	.....	.....
Taussig, Otto	Denver	Special	.....	.....
Templeton, Carrie	Denver	Junior Preparatory.	.....	.....
Thompson, Elliott	Denver	Junior Preparatory.	.....	.....
Thornton, Harry L.	Central City	Junior Preparatory.	.....	.....
Thornton, Earl	Central City	Junior Preparatory.	.....	.....
Thornton, Jesse	Central City	Junior Preparatory.	.....	.....
Titus, Fannie	Longmont	Special	.....	Instrumental
Tracy, Mrs. C. W.	Iowa	Special	.....	O. P.
Trego, Eva	Holy Cross	Special	.....	Inst'l and Vocal.
Trounstine, Idelle	Denver	Junior Preparatory.	.....	.....
Uhrlaub, Leo	Denver	Junior Preparatory.	.....	.....
Uhrlaub, Marston	Denver	Junior Preparatory.	.....	.....
Uhrlaub, Otto	Denver	Junior Preparatory.	.....	.....

NAMES.	Residence.	Class.	Business.	Music.	Art.
Vair, Libbie	Petersburg, Canada..	Special .....	.....	.....	O. P.
VanBuskirk, Olin.....	Denver	Junior Preparatory..	.....	.....	.....
VanKeuren, Kittie.....	Pueblo'	Special .....	.....	Instrumental.....	P. D. and O. P. ..
VanLaw, Lois	Denver	Special .....	.....	Vocal .....	.....
Veatch, Lena.....	Denver	Special	Business Course..	.....	.....
Walker, Mabel.....	Denver	Junior Preparatory..	.....	.....	.....
Wanamaker, L. E.....	Golden	Special	Business Course..	.....	.....
Walters, Mr.....	.....	Special .....	.....	.....	.....
Ware, Charles.....	Denver	Junior Preparatory..	.....	.....	.....
Warner, Joseph.....	.....	Special .....	.....	.....	.....
Warner, Lizzie	Denver	Special .....	.....	.....	O. P.
Warner, Emma.....	Denver	Junior Preparatory..	.....	.....	.....
Warren, Lillie.....	Denver	Special .....	.....	Instrumental.....	Charcoal.....
Waterbury, Lyle.....	Denver	Special .....	.....	Instrumental.....	.....
Waterbury, Lottie.....	Denver	Special .....	.....	Instrumental.....	.....
Watson, Josie	Denver	Junior Preparatory..	.....	.....	.....
Watson, Fannie	Denver	Junior Preparatory..	.....	.....	.....
Watson, William	Denver	Junior Preparatory..	.....	.....	.....
Watson, Angelica.....	Denver	Special .....	.....	.....	.....
Webber, DeWitt.....	Denver	Colleg Preparatory..	.....	.....	.....
Webber, Charles.....	Denver	Junior Preparatory..	.....	.....	.....
Webber, Frank	Denver	Junior Preparatory..	.....	.....	.....
Webster, Charles	Denver	Junior Preparatory..	.....	.....	.....
Welch, Mrs. A. L.....	Denver	Special .....	.....	.....	P. D. and O. P. ..

Wells, Lulu.....	Denver	Special .....	.....	.....	.....	Charcoal.....
Wentworth, Mamie.....	Golden	Special .....	.....	.....	Instrumental.....	.....
Wheeler, Agnes.....	Evanston, Ills.....	Special .....	.....	.....	.....	.....
Wheeler, Grace L.....	Denver	Special .....	.....	.....	.....	Charcoal.....
Wheeler, Cora F.....	Denver	Junior Preparatory..	.....	.....	.....	.....
Wheeler, John.....	Denver	Junior Preparatory..	.....	.....	.....	.....
Wheeler, Minnie.....	Denver	Junior Preparatory..	.....	.....	.....	P. D.....
Wilson, Bertha	Denver	Junior Preparatory..	.....	.....	.....	.....
Wilson, Luna.....	Denver	Junior Preparatory..	.....	.....	.....	.....
Wilson, Rolla	Denver	Junior Preparatory..	.....	.....	.....	.....
Williamson, Harry.....	Pittsburgh, Pa.....	Special .....	.....	.....	.....	.....
Winsor, Laban C.....	Fort Collins.....	Co-leg. Preparatory..	.....	.....	.....	.....
Witter, Charles.....	Denver	Junior Preparatory..	.....	.....	.....	.....
Wolcott, Orson.....	Leadville	Special .....	.....	.....	.....	.....
Wolfe, Frank.....	Denver	Junior Preparatory..	.....	.....	.....	.....
Wolfe, Kate	Denver	Special .....	.....	.....	.....	.....
Wolfe, Louise	Denver	Special .....	.....	.....	.....	.....
Wood, Tingley.....	Leadville	Junior Preparatory..	.....	.....	Instrumental.....	W. C.....
Wood, May.....	Denver	Junior Preparatory..	.....	.....	Instrumental.....	.....
Worthington, R. H.....	Colorado	Medical .....	.....	.....	.....	.....
Wright, Blanche.....	Denver	Junior Preparatory..	.....	.....	.....	.....
Youngman, Alice	Bennett	Special .....	.....	.....	.....	P. D.....
Ashley, Mrs. Wm.....	Denver	Special .....	.....	.....	.....	Charcoal.....
Carey, Miss S. S.....	Louisville, Ky.....	Special .....	.....	.....	Stenography .....	.....
Griffin, Mrs.....	Denver	Special .....	.....	.....	Penmanship.....	.....
Keyes, Geo. H.....	Denver	Special .....	.....	.....	Book-keeping .....	.....
Riley, Mr.....	Olean, N. Y.....	Special .....	.....	.....	Book-keeping .....	.....



CONTENTS.

I. GOVERNMENT.

1.	{ BOARD OF TRUSTEES.....	4
	{ OFFICERS OF THE BOARD.....	5
	{ VISITORS AND EXAMINERS.....	5
2.	• FACULTIES—	
	Letters and Science.....	6
	Music	6
	Fine Arts	7
	Business	7
	Medicine.....	7
	Junior Preparatory.....	8

II. CURRICULA.

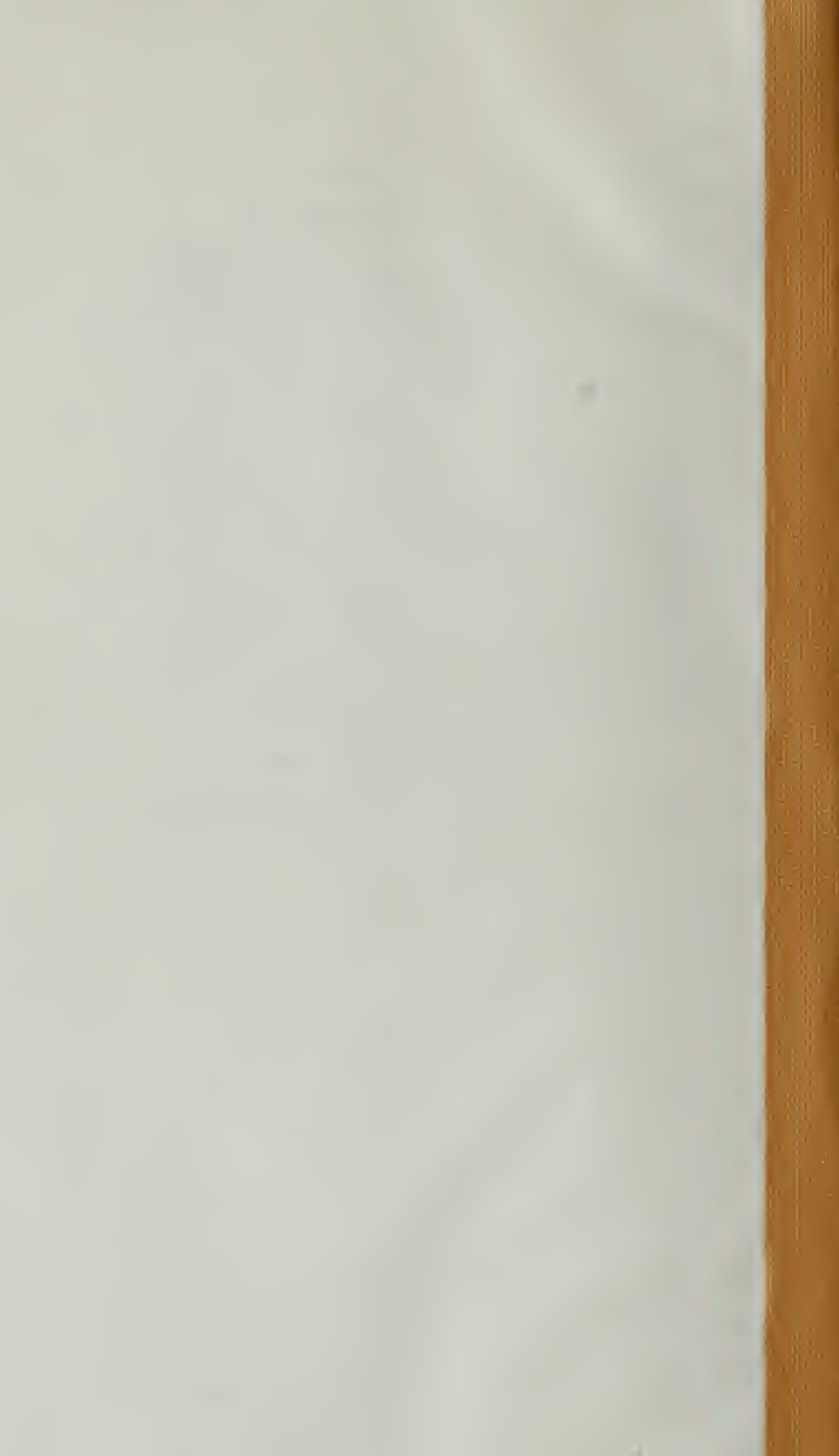
1.	REGULAR COURSES—	
	Classical, Preparatory.....	10
	“ Collegiate	11
	Literary, Preparatory.....	12
	“ Collegiate	13
	Scientific, Preparatory	14
	“ Collegiate.....	15
	Mining Engineer, Preparatory	16
	“ “ Collegiate.....	17
2.	SPECIAL COURSES—	
	Music	19
	Fine Arts	21
	Business	23
	Normal	28
	Medicine.....	29
	Elective.....	18
	Seminary.....	18
	Junior Preparatory.....	31

III. MISCELLANEOUS.

Acknowledgments	53
Apparatus	37
Buildings	35
Calendar	54
Cost—A word as to,	48
Co-Education	43
Crary Cabinet.....	40
Denver	35
Discipline	40
Laboratories	37
Library	39
Literary Societies.....	36
Location	35
Natural Science Department.....	36
Price List	46
Religious Features.....	40
Report of Visitors and Examiners	43
Text and Reference Books.....	50

IV. CATALOGUE OF STUDENTS.

Catalogue of Students for 1882-3	57
Table of Contents	75





UNIVERSITY OF ILLINOIS-URBANA



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